TOSHIBA

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DVD VIDEO PLAYER

SD-770SR

OWNER'S MANUAL

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SAFETY PRECAUTIONS

WARNING: **TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.**

CAUTION: This Digital Video Disc Player employs a Laser System.
To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

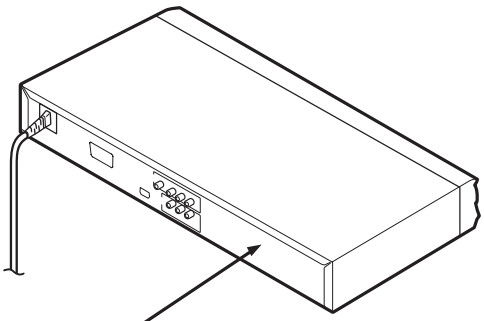
To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.
DO NOT STARE INTO BEAM.

In the spaces provided below, record the Model and Serial No. located on the rear panel of your DVD video player.

Model No. _____ Serial No. _____

Retain this information for future reference.

Location of the required label



The rating plate and the safety caution are on the rear of the unit.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.
DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this apparatus near water.

6. Clean only with dry cloth.

7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8. Do not restrict the air flow of the unit by placing it in a place with poor air flow, by covering it with a cloth, or by placing it on carpeting.

9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11. Only use attachments/accessories specified by the manufacturer.

12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

IMPORTANT SAFETY INSTRUCTIONS

ADDITIONAL SAFETY INSTRUCTIONS

14. When you use headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

15. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

16. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.

17. Do not place a heavy object on or step on the apparatus. The object may fall, causing serious personal injury and serious damage to the apparatus.

18. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.

19. Be sure to use the unit near the wall outlet. If a malfunction occurs, disconnect the plug from the wall outlet at once.

20. The mains plug is used as the disconnect device, the disconnect device shall remain readily operable at any time.

SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured. So, please read the points below for your own safety. They are of a general nature, intended to help you with all your electronic consumer products and some points may not apply to the goods you have just purchased.

****

DO read the operating instructions before you attempt to use the equipment.
DO ensure that all electrical connections (including the mains plug, extension leads and inter- connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.
DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.
DO be careful with glass panels or doors on equipment

****

DON'T remove any fixed cover as this may expose dangerous voltages.
DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.
DON'T allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the equipment.
DON'T place hot objects or naked flame sources such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.
DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.
DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.
DON'T listen to headphones at high volume, as such use can permanently damage your hearing.
DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.
DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way -switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL
—NEVER let anyone especially children push anything into holes, slots or any other opening in the case - this could result in a fatal electrical shock;

—NEVER guess or take chances with electrical equipment of any kind
—it is better to be safe than sorry!

****

Precautions

Notes on handling

- When shipping the DVD video player, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory. Take care not to give it a shock or shake when carrying.
- Do not use volatile liquids, such as insect spray, near the DVD video player. Do not leave rubber or plastic products in contact with the DVD video player for a long time. They will leave marks on the finish.
- The top and rear panels of the DVD video player may become warm after a long period of use. This is not a malfunction.
- When the DVD video player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the DVD video player for a long period, the unit may not function properly in the future. Turn on and use the DVD video player occasionally.

Notes on locating

- Place the DVD video player on a level surface. Do not use it on a shaky or unstable surface such as a wobbling table or inclined stand. The loaded disc may come off the proper position and cause damage to the DVD video player.
- When you place this DVD video player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, place the DVD video player away from the TV, radio, or VCR.

Notes on cleaning

Use a soft, dry cloth for cleaning.

- For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe it dry.
  Do not use any type of solvent, such as thinners and benzene, as they may damage the surface of the DVD video player.
- If you use a chemical saturated cloth to clean the unit, follow that product's instructions.

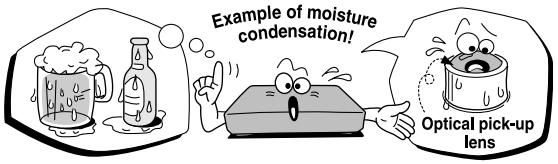
Inspection and Maintenance

This DVD video player is a high technology, precision device. If the optical pick-up lens and disc drive parts become dirty or worn down, the picture quality may be reduced. To avoid reduction in picture quality, it is recommended that regular inspection and maintenance (cleaning or parts replacement) be performed every 1,000 hours of use. For further details, contact your nearest consumer electronics dealer.

Notes on moisture condensation

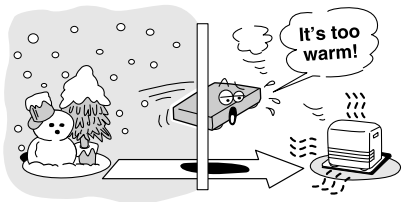
Moisture condensation damages the DVD video player. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the DVD video player.



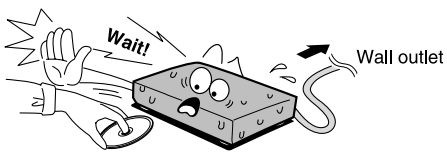
- Moisture condensation occurs during the following cases.

- When you bring the DVD video player directly from a cold place to a warm place.
- When you use the DVD video player in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the DVD video player in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the DVD video player in a humid place.



- Do not use the DVD video player when moisture condensation may occur.

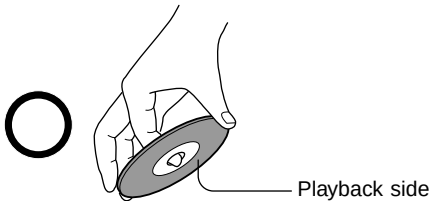
  If you use the DVD video player in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the DVD video player to the wall outlet, turn on the DVD video player, and leave it for two or three hours. After two or three hours, the DVD video player will have warmed up and evaporated any moisture. Keep the DVD video player connected to the wall outlet and moisture condensation will seldom occur.



Notes on Discs

On handling discs

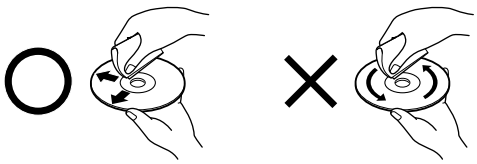
- Do not touch the playback side of the disc.



- Do not attach paper or tape to discs.

On cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

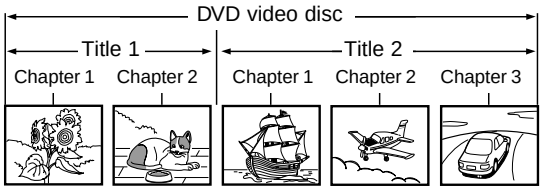
On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

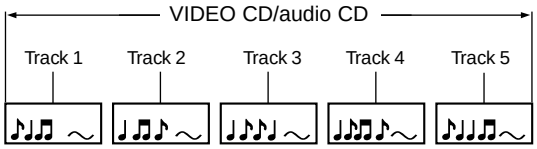
Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. VIDEO CDs and audio CDs are divided into tracks.

DVD video disc



VIDEO CD/audio CD



Each title, chapter or track is assigned a number, which is called “title number”, “chapter number” or “track number” respectively.
There may be discs that do not have these numbers.

Notes on copyright

The unauthorized recording, use, distribution, or revision of copyrighted materials including, without limitation, television programs, videotapes, and DVDs, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Notes on Discs (continued)

About this owner's manual

This owner's manual explains the basic instructions of this DVD video player. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the DVD video player may not respond to all operating commands. This is not a defect in the DVD video player. Refer to instruction notes of discs.

" ⃠ " may appear on the TV screen during operation. A " ⃠ " means that the operation is not permitted by the DVD video player or the disc.

Notes on region numbers

The region number of this DVD video player is 5. If region numbers, which stand for their playable area, are printed on your DVD video disc and you do not find or , disc playback will not be allowed by the player. (In this case, the DVD video player will display a message on-screen).

On VIDEO CDs

This DVD video player supports VIDEO CDs equipped with the PBC (Version 2.0) function. (PBC is the abbreviation of Playback Control.) You can enjoy two playback variations depending on types of discs.

- VIDEO CD not equipped with PBC function (Version 1.1)
  Sound and movie can be played on this DVD video player in the same way as an audio CD.
- VIDEO CD equipped with PBC function (Version 2.0)
  In addition to operation of a VIDEO CD not equipped with the PBC function, you can enjoy playback of interactive software with search function by using the menu displayed on the TV screen (Menu Playback). Some of the functions described in this owner's manual may not work with some discs.

Playable discs

This DVD video player can play the following discs.

	Disc Mark	Contents	Disc Size	Maximum playback time
DVD video discs		Audio + video (moving pictures)	12 cm	Approx. 4 hours (single sided disc)
				Approx. 8 hours (double sided disc)
			8 cm	Approx. 80 minutes (single sided disc)
				Approx. 160 minutes (double sided disc)
VIDEO CDs		Audio + video (moving pictures)	12 cm	Approx. 74 minutes
			8 cm	Approx. 20 minutes
Audio CDs		Audio	12 cm	Approx. 74 minutes
			8 cm (CD single)	Approx. 20 minutes
DivX®		Audio + video (moving pictures)	12 cm	It depends on DivX® quality
			8 cm	

The following discs are also available.
- DVD-R/DVD-RW discs of DVD video format
- CD-R/CD-RW discs of CD-DA, Video CD, SVCD, MP3 or JPEG format.

Some of these discs may be incompatible.

- You cannot play discs other than those listed above.
- You cannot play DVD-RAM discs or non-standardized discs, etc., even if they may be labeled as above.
- This DVD video player uses the NTSC/PAL colour system, and cannot play DVD video discs recorded in any other colour system (SECAM, etc.).

Because of problems and errors that can occur during the creation of DVD and CD software and/or the manufacture of DVD and CD discs, Toshiba cannot assure that this DVD video player will successfully play every disc bearing the DVD and CD logos. As one of the creators of DVD technology, Toshiba DVD players are manufactured using the highest standards of quality, and as a result, such incompatibilities are rare.

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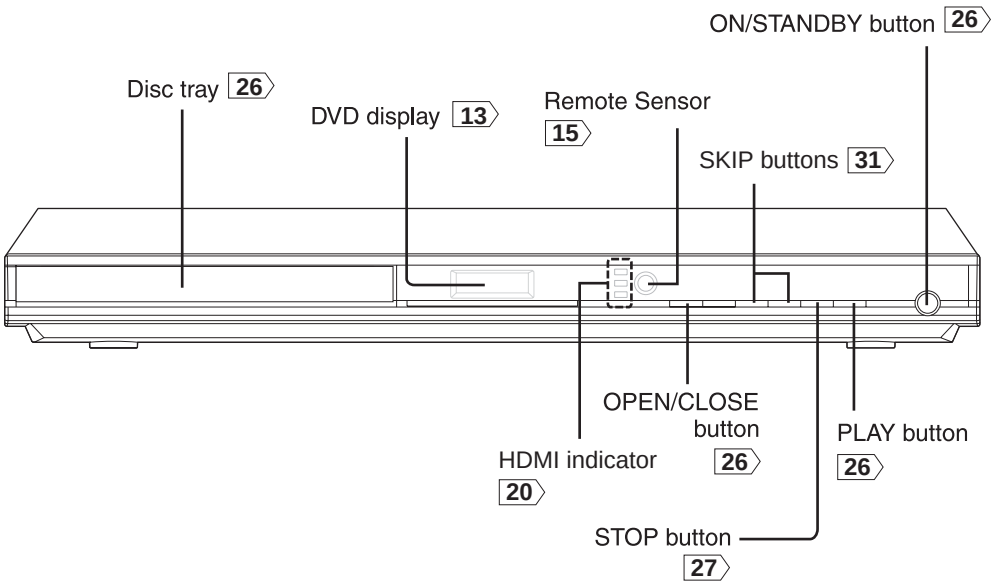
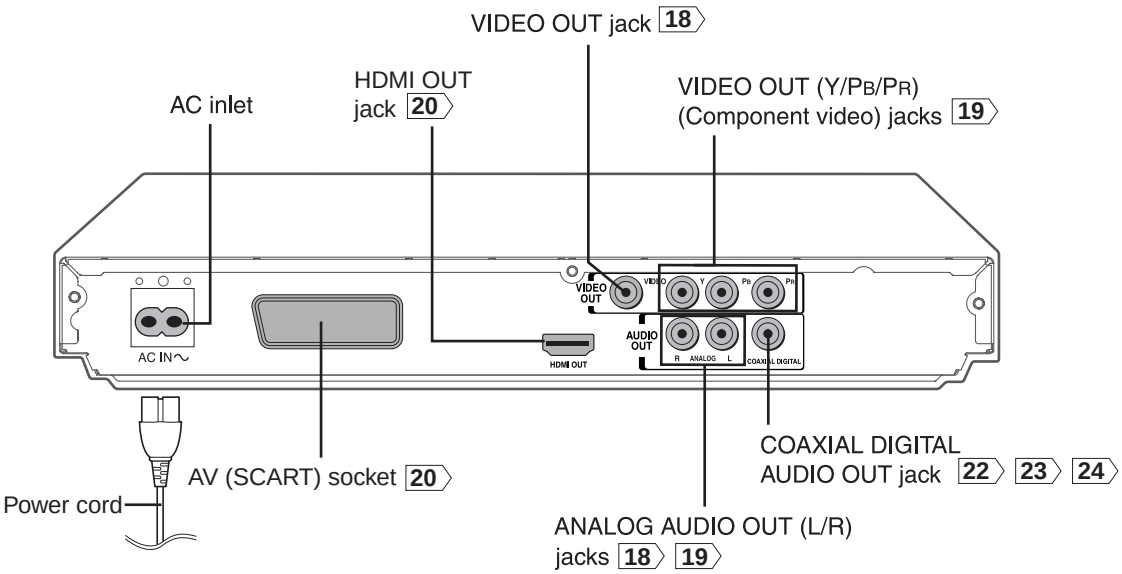
Identification of Controls

See the page in ▭ for details.

Front panel

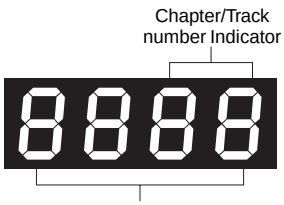


Rear panel



DVD display

The indicators vary depending on the kinds of discs you play.



No disc

DVD video disc

- During playback: Example

Some discs may only display chaper numbers.

VIDEO CD

- During playback: Example

Some discs may only display track numbers.

Audio CD

- During playback: Example

Some discs may only display track numbers.

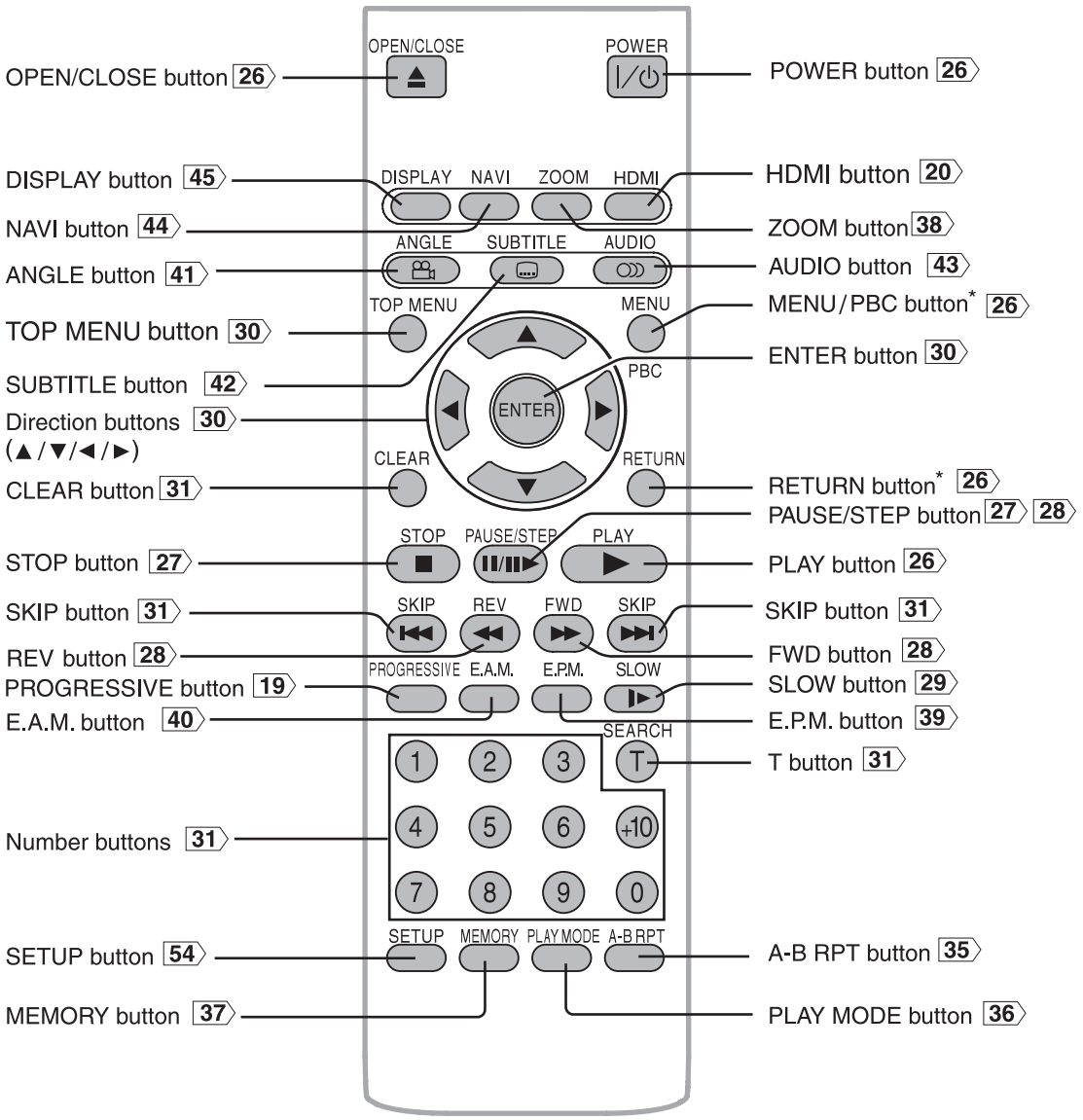
OPEN

LOAD/CLOSE

Identification of Controls (continued)

The instructions in this manual describe the functions on the remote control. See the page in ▭ for details.

Remote control

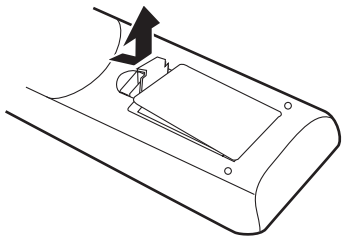


* RETURN button
Return to menu display for VCD (2.0) discs with menu.

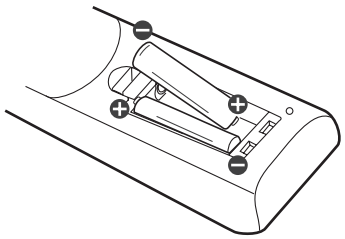
* MENU button
Use the MENU button to display the menu included on many DVD video discs. To operate a menu, follow the instructions in “Locating a title using the top menu.” 30

Loading batteries

1 **Open the cover.**



2 **Insert batteries (R03/AAA size).**



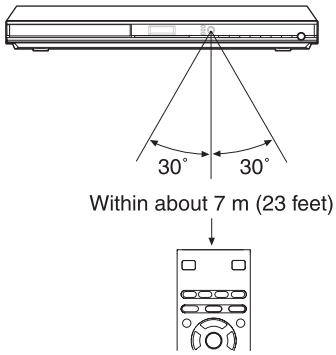
Make sure to match the + and – on the batteries to the marks inside the battery compartment.

Caution
- Never throw batteries into fire.

Notes
- Be sure to use R03/AAA size batteries.
- Dispose of batteries in a designated disposal area.
- Attention should be drawn to the environmental aspects of battery disposal.
- Do not mix different battery types or combine used batteries with new ones.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.
- If the batteries are dead or if you will not be using the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.

Operating with the remote control

Point the remote control at the remote sensor and press the buttons.



Distance: About 7 m (23 feet) from the front of the remote sensor
Angle: About 30° in each direction of the front of the remote sensor

* Do not expose the remote sensor of the DVD video player to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the DVD video player via the remote control.

Notes on the remote control
- Direct the remote control at the remote sensor of the DVD video player.
- When using the remote control, press the buttons at intervals of about 1 second to ensure the correct mode of operation.
- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not open the remote control.

Connections

Read this chapter first to make all necessary preparations.

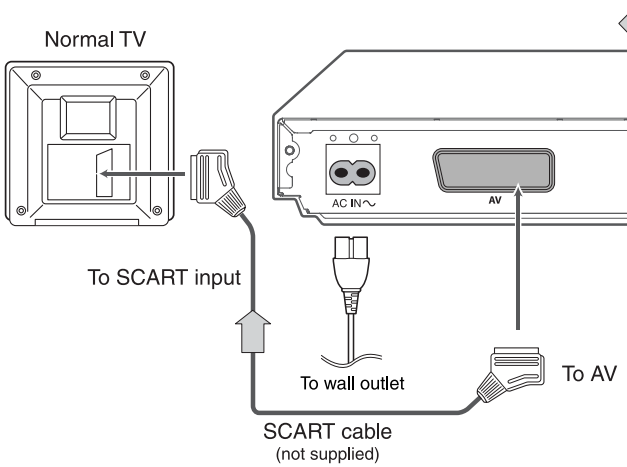
- **Connecting to a TV (Using the SCART socket)**
- **Connecting to a TV (Using the phone type jacks)**
- **Connecting to a TV (Using the component video jacks)**
- **Connecting to a display (Using a HDMI cable)**
- **Connecting to an amplifier equipped with a Dolby® Digital decoder**
- **Connecting to an amplifier equipped with Dolby Surround Pro Logic**
- **Connecting to an amplifier equipped with a DTS decoder**
- **Connecting to an amplifier equipped with an MPEG2 audio decoder**
- **Connecting to an amplifier equipped with a digital audio input**

Connecting to a TV

Connect the DVD video player to your TV.

For details of output sound, see 43.

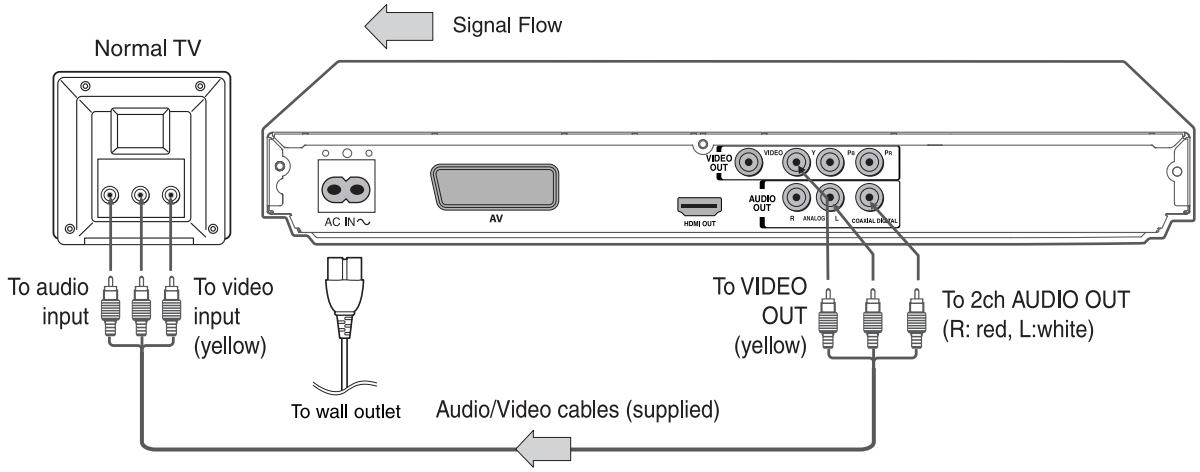
Connecting to a TV (Using the SCART socket)



• Make the following setting.

On-screen display	Select:	Page
"Video Output"	Composite Component RGB P-Scan HDMI	59

Connecting to a TV (Using the phono type jacks)



Notes

- Refer to the owner's manual of the connected TV as well.
- When you connect the DVD video player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- If your television set has one audio input, connect the left and right audio outputs of the DVD video player to a Y cable adapter (not supplied) and then connect to your TV.
- Connect the DVD video player directly to your TV. If you connect the DVD video player to a VCR, TV/VCR combination or video selector, the playback picture may be distorted as DVD video discs are copy protected.
- Analog audio out will not have sound if DTS playback is selected.

• Make the following setting.

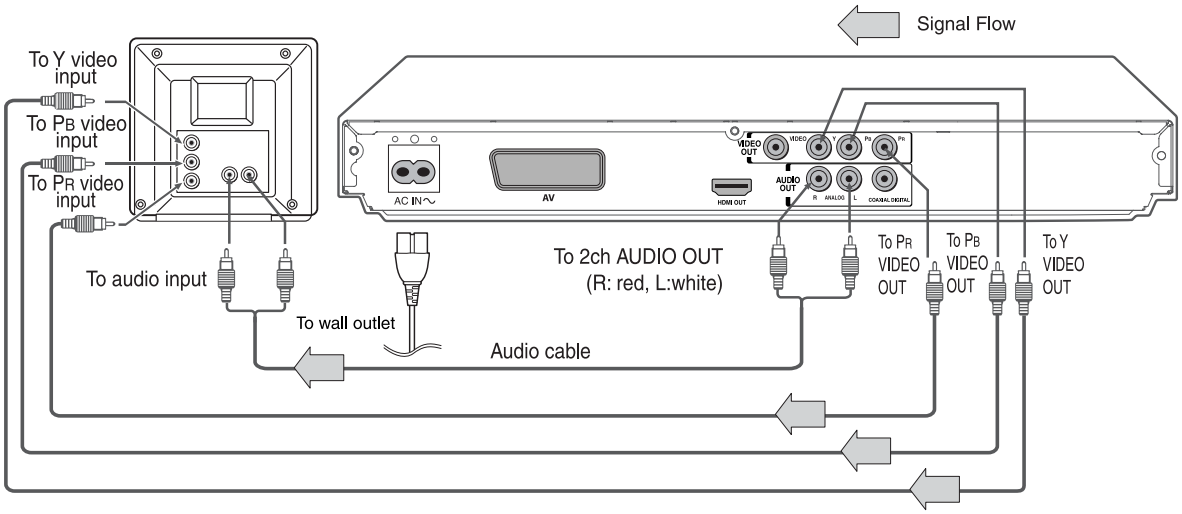
On-screen display	Select:	Page
"Digital Output"	"PCM" or "Raw"	61
"Video Output"	Composite Component RGB P-Scan HDMI	59

Interlaced outputs
Some TVs or monitors are equipped with component video inputs. Connecting to these inputs allows you to enjoy higher quality picture playback.
Actual labels for component video inputs may vary depending on the TV manufacturer. (ex. Y, R-Y, B-Y or Y, C_B, C_R)
In some TVs or monitors, the colour levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

Progressive outputs
Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressively scanned video signal. Connecting to these inputs allows you to view the highest quality pictures with less flicker.

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 or 625 progressive scan picture problems, it is recommended that the user switch the connection to the "standard definition" output. If there are questions regarding our TV set compatibility with this model 525p or 625p DVD player, please contact our Customer Service Center.

Connecting to a TV (Using the component video jacks)



■ **Switching the output signal (interlaced / progressive) using the remote control**
You can temporarily switch the output signal for better picture quality.
Press **PROGRESSIVE** on the remote control during stop mode.
Press **PROGRESSIVE** again to turn off progressive mode.

• Make the following setting.

On-screen display	Select:	Page
"Digital Output"	"PCM" or "Raw"	61
"Video Output"	Component *P-Scan (Progressive)	59

* Only for TV equipped with component video input jacks which support the progressive scan.

Notes
- Refer to the owner's manual of the connected equipment as well.
- When you connect the DVD video player to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- If you place the DVD video player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the DVD video player away from the tuner and radio.
- The output sound of the DVD video player has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, high volume sound may damage your hearing as well as the speakers.
- Turn off the amplifier before you connect or disconnect the DVD video player's power cord. If you leave the amplifier power on, the speakers may be damaged.
- Progressive can be on/off only when "Video Output" is set to Component or P-Scan 59.
- When the TV system is set to NTSC mode, all output will be forced to NTSC type (eg. 525p (480p), 525i (480i), etc.)
- When the TV system is set to PAL mode, all output will be forced to PAL type (eg. 625p (576p), 625i (576i), etc.)
- Analog audio out will not have sound if DTS playback is selected.

Connecting to a TV (Continued)

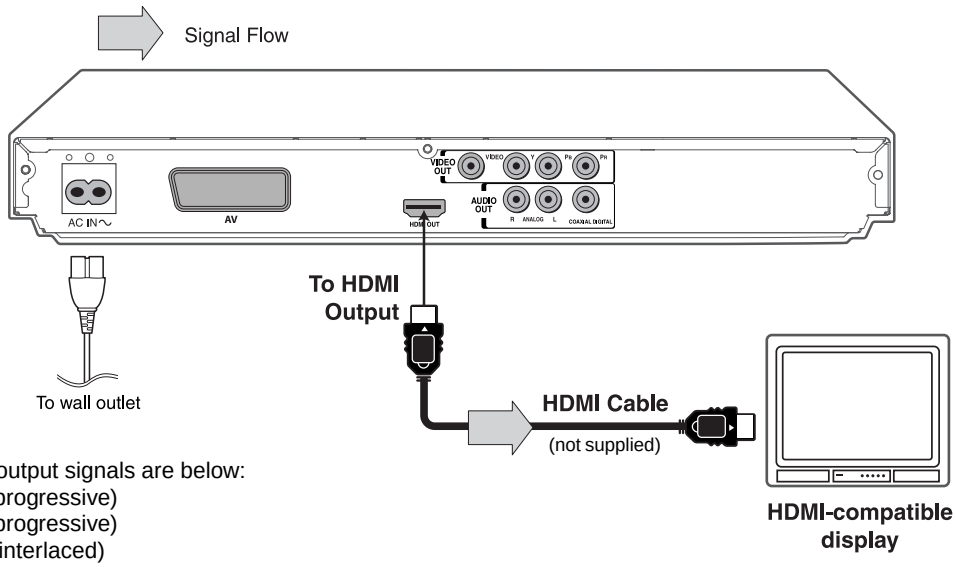
About HDMI

HDMI (High Definition Multimedia Interface) supports both video and audio on a single digital connection for use with DVD players, DTV, set-top boxes, and other AV devices. HDMI was developed to provide the technologies of High Bandwidth Digital Content Protection (HDCP) as well as Digital Visual Interface (DVI) in one specification. HDCP is used to protect digital content transmitted and received by DVI-compliant or HDMI-compliant displays.

HDMI has the capability to support standard, enhanced, or high-definition video plus standard to multi-channel surround-sound audio. HDMI features included uncompressed digital video, a bandwidth of up to 2.2 gigabytes per second (with HDTV) signals), one connector (instead of several cables and connectors), and communication between the AV source and AV devices such as DTVs.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI licensing LLC.

Connecting to a display (Using a HDMI cable)



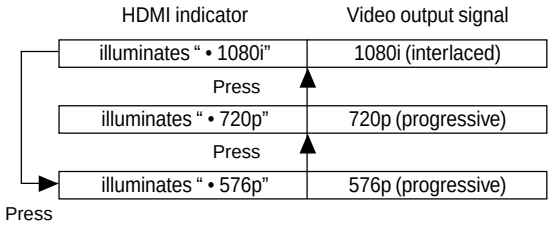
Available output signals are below:

- 576p (progressive)
- 720p (progressive)
- 1080i (interlaced)

■ **Switching the video quality (HDMI mode) using HDMI button on the remote control.**

Press **HDMI** on the remote control to receive a suitable video quality. The video quality is required to match your TV having HDMI feature and suitable quality. Please also check your TV owner's manual.

Press **HDMI** button on the remote control to change the output signals as below. See the HDMI indicator and select the appropriate output signal.



576p, 720p and 1080i are signals created with this DVD Player from original 480i/576i signal. The resolution of the picture may not be increased even if they are selected.

- Make the following setting.

On-screen display	Select:	Page
"Digital Output"	"PCM"	61
"Video Output"	HDMI	59

Content of the output for each output jack is shown in the following table and differ depending on the On-Screen Display Setting:

On-Screen Display Setting		Content of output for each output jack			
"Video Output" Setting	HDMI Output Setting *	HDMI Output	Video Output	Component Output	AV Output
RGB	Invalid	-	Composite	-	RGB
Composite	Invalid	-	Composite	-	Composite
Component (Interlaced)	Invalid	-	Composite	576i	Composite
P-Scan (Progressive)	Invalid	-	Composite	576p	Composite
HDMI	576p	576p	Composite	576p	Composite
	720p	720p	-	-	-
	1080i	1080i	-	-	-

* Settings for HDMI output format are performed using the HDMI button on the remote control.

Notes

- Refer to the owner's manual of the connected TV as well.
- When you connect the DVD video player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- If you have a HDMI (with HDCP) equipped monitor or display, you can connect it to this player using a HDMI cable.
- The HDMI connector outputs uncompressed digital video, as well as almost every kind of digital audio that the player is compatible with, including DVD-Video, Video CD/Super VCD, CD and MP3.
- This unit has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.1 depending on the component you have connected. Using a HDMI connection may result in unreliable signal transfers.
- When using HDMI cable, do not connect to other analog video outputs.
- No sound will be output from the HDMI cable if the digital out is not set to PCM 61.
- HDMI output is only available when the Video Output is set to "HDMI". Otherwise the HDMI button is invalid 59.

Connecting to Optional Equipment

You can enjoy high quality dynamic sounds by connecting the DVD video player to optional audio equipment.

- For connection to your TV, see “Connecting to a TV” 18 19 20 .
- For details of output sound, see 43.
- This section uses the following reference marks.

: Front speaker

: Rear speaker

: Sub woofer

: Center speaker

: Signal flow

Notes

- DO NOT connect the COAXIAL DIGITAL AUDIO OUT jack of the DVD video player to the AC-3 RF input of a Dolby Digital Receiver. This input on your A/V Receiver is reserved for Laserdisc use only and is incompatible with the COAXIAL DIGITAL AUDIO OUT jack of the DVD video player.
- Connect the COAXIAL DIGITAL AUDIO OUT jack of the DVD video player to the “DIGITAL (COAXIAL)” input of a Receiver or Processor.
- Refer to the owner’s manual of the connected equipment as well.
- When you connect the DVD video player to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- The output sound of the DVD video player has a wide dynamic range. Be sure to adjust the receiver’s volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the DVD video player’s power cord. If you leave the amplifier power on, the speakers may be damaged.

Warning

- When you are connecting (via the COAXIAL DIGITAL AUDIO OUT jack) an AV decoder that does not have Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function, be sure to set “Digital Output” to “PCM” from the on-screen displays 61 . Otherwise, high volume sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (DVD Video discs and audio CDs), excessive noise may be output from the analog audio output jacks. To avoid possible damage to the audio system, you should take proper precautions when the analog audio output jacks of the DVD video player are connected to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the COAXIAL DIGITAL AUDIO OUT jack of the DVD video player.

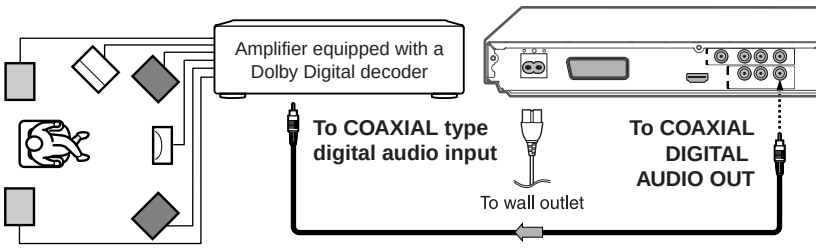
Connecting to an amplifier equipped with a Dolby® Digital decoder

Dolby Digital
Dolby Digital is the surround sound technology used in theaters showing the latest movies, and is now available to reproduce this realistic effect in the home. You can enjoy motion picture and live concert DVD video discs with this dynamic realistic sound by connecting the DVD video player to a 6 channel amplifier equipped with a Dolby Digital decoder or Dolby Digital processor. If you have a Dolby Surround Pro Logic decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. Copyright 1992-1997 Dolby Laboratories. All rights reserved.

- Use DVD video discs encoded via the Dolby Digital recording system.
- Make the following setting.

On-screen display	Select:	Page
"Digital Output"	"PCM" or "Raw"	61
Recording system	DD D	43


Amplifier equipped with a Dolby Digital decoder
To COAXIAL type digital audio input
To wall outlet
To COAXIAL DIGITAL AUDIO OUT

75Ω coaxial cable (not supplied)

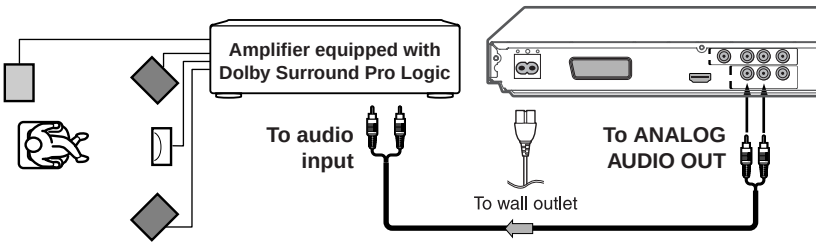
Connecting to an amplifier equipped with Dolby Surround Pro Logic

Dolby Surround Pro Logic
You can enjoy the dynamic realistic sound of Dolby Surround Pro Logic by connecting an amplifier and speaker system (right and left front speakers, a center speaker, and one or two rear speakers).

- With an amplifier equipped with Dolby Digital
  Connect the equipment the same way as described in "Connecting to an amplifier equipped with a Dolby Digital decoder." Refer to that amplifier's owner's manual and set the amplifier so you can enjoy Dolby Surround Pro Logic sound.
- With an amplifier not equipped with Dolby Digital
  Connect the equipment as follows.

- Make the following setting.

On-screen display	Select:	Page
"Digital Output"	"PCM" or "Raw"	61



Audio cable (not supplied)

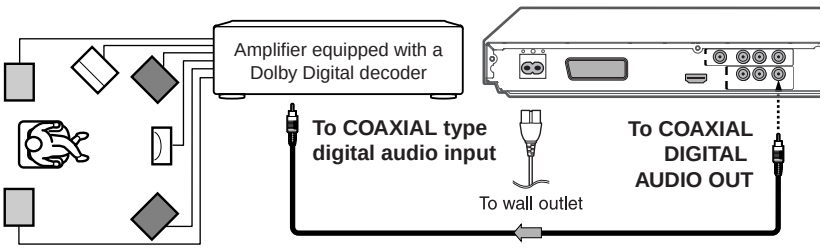
* Connect one or two rear speakers.
The output sound from the rear speakers will be monaural even if you connect two rear speakers.

Connecting to Optional Equipment (Continued)

Connecting to an amplifier equipped with a DTS decoder

Digital Theater Systems (DTS)
DTS is a high quality surround technology used in theaters and now available for home use, on DVD video discs or audio CDs.
If you have a DTS decoder or processor, you can obtain the full benefit of 5.1 channel DTS encoded sound tracks on DVD video discs or audio CDs.

"DTS" and "DTS Digital Out" are trademarks of DTS, Inc.


Amplifier equipped with a Dolby Digital decoder
To COAXIAL type digital audio input
To wall outlet
To COAXIAL DIGITAL AUDIO OUT

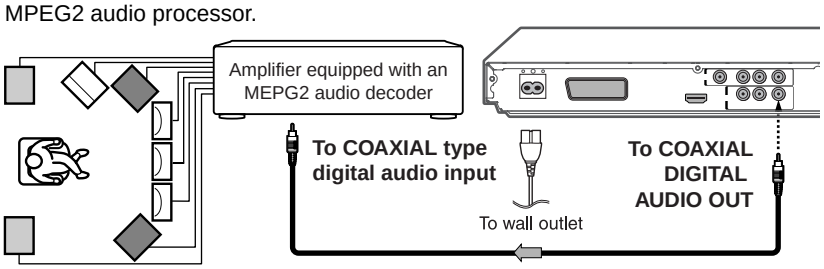
75Ω coaxial cable (not supplied)

- Use DVD video discs or audio CDs encoded via the DTS recording system.
- Make the following setting.

On-screen display	Select:	Page
"Digital Output"	"Raw"	61
Recording system	DTS	43

Connecting to an amplifier equipped with an MPEG2 audio decoder

MPEG2 sound
You can enjoy motion picture and live concert DVD video discs with dynamic realistic sound by connecting an amplifier equipped with an MPEG2 audio decoder or MPEG2 audio processor.


Amplifier equipped with an MEPG2 audio decoder
To COAXIAL type digital audio input
To wall outlet
To COAXIAL DIGITAL AUDIO OUT

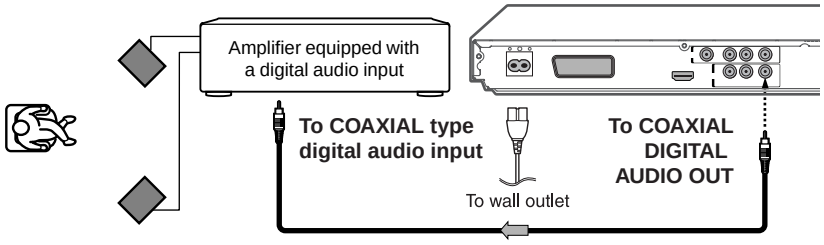
75Ω coaxial cable (not supplied)

- Use DVD video discs encoded via the MPEG2 recording system.
- Make the following setting.

On-screen display	Select:	Page
"Digital Output"	"PCM" or "Raw"	61
Recording system	MPEG2	43

Connecting to an amplifier equipped with a digital audio input

2 channel digital stereo
You can enjoy the dynamic sound of 2 channel digital stereo by connecting an amplifier equipped with a digital audio input and speaker system (right and left front speakers).


Amplifier equipped with a digital audio input
To COAXIAL type digital audio input
To wall outlet
To COAXIAL DIGITAL AUDIO OUT

75Ω coaxial cable (not supplied)

- Make the following setting.

On-screen display	Select:	Page
"Digital Output"	"PCM"	61

Basic playback

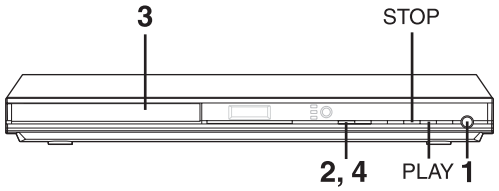
Begin your operation.

- **Playing a Disc**
- **Variable Speed Playback**
- **Locating a Desired Section**

Playing a Disc

This section shows you the basics on how to play a disc.

CAUTION
Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.



DVD VCD CD Basic playback

Preparations
- When you want to view a disc, turn on the TV and select the video input connected to the DVD video player.
- When you want to enjoy the sound of discs from the audio system, turn on the audio system and select the input connected to the DVD video player.

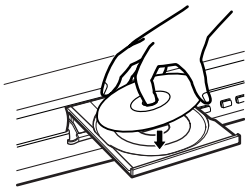
1 Press the ON/STANDBY button.

POWER I/⏻ The DVD video player turns on.

2 Press OPEN/CLOSE.

OPEN/CLOSE ⏏ The disc tray opens.

3 Place the disc on the disc tray.



With the playback side down

- There are two different disc sizes. Place the disc in the correct guide on the disc tray. If the disc is out of the guide, it may damage the disc and cause the DVD video player to malfunction.
- Do not place a disc which is unplayable in this DVD video player.

4 Press OPEN/CLOSE to close the disc tray.

OPEN/CLOSE ⏏ Playback starts.

If you insert a DVD video disc that contains a top menu, a menu may appear. Use the ▲/▼/◄/► to select the title you want to view, then press ENTER to start playback. See “Locating a title using the top menu.” 30

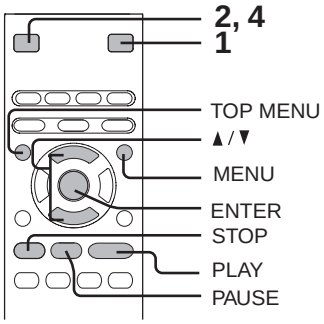
- You may need to press the TOP MENU or MENU button to display disc menu (depending on the actual DVD video disc.)

Notes
- If the disc tray is holding a disc you have already played, playback will begin from the location where you last stopped. For resuming playback, see 29.
- Some video CD are recorded with **PBC (Playback Control),** a menu with recorded contents may appear on the TV if you have turned the PBC on. You can make your selection according to its PBC menu. Press the **PBC** button on the remote control to turn PBC on or off anytime during Video CD playback. When switching from PBC off to PBC on mode, playback will start from the beginning of the disc. To turn on the menu display again, press the **RETURN** button.

■ To start playback in the stop mode

Press **PLAY.**

PLAY ►



■ To obtain a higher quality picture

Occasionally, some picture noise not usually visible during a normal broadcast may appear on the TV screen while playing a DVD video disc because the high resolution pictures on these discs include a lot of information. While the amount of noise depends on the TV you use with this DVD video player, you should generally reduce the sharpness adjustment on your TV when viewing DVD video discs.

■ About DVD VCD CD

The DVD VCD CD icons on the heading bar show the playable discs for the function described under that heading.

DVD : You can use this function with DVD video discs.
VCD : You can use this function with VIDEO CDs.
CD : You can use this function with audio CDs.

■ To pause playback (still mode)

Press **PAUSE/STEP** during playback.

PAUSE/STEP

To resume normal playback, press the PLAY button.

• The sound is muted during still mode.

■ To stop playback

Press **STOP**.

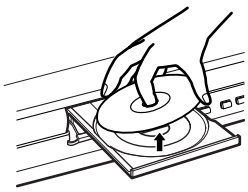
STOP

■ To remove the disc

Press **OPEN/CLOSE.**

OPEN/CLOSE

Remove the disc after the disc tray opens completely.



Be sure to press the OPEN/CLOSE button to close the disc tray after you remove the disc.

■ To turn the power off (To enter the standby mode)

Press ON/STANDBY to turn the unit to standby mode.

Note

Be aware that this equipment is still powered even on standby mode. To disconnect this equipment completely from the main power, pull out the power plug from the wall outlet.

■ About the screen saver

When you leave the unit in DVD stop mode for approximately 2 minutes, the screen saver of the DVD video player automatically appears. To turn off the screen saver, press the PLAY button.

■ Automatic Power Off function

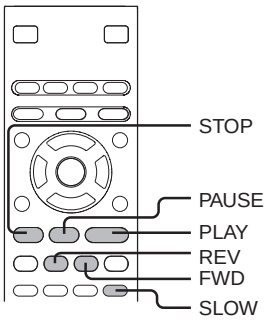
If the DVD video player is stopped, or the screen saver is engaged for approximately 20 minutes, the DVD video player will automatically turn itself off.

Notes

- Do not move the DVD video player during playback. Doing so may damage the disc.
- Use the OPEN/CLOSE button to open and close the disc tray. Do not push the disc tray while it is moving. Doing so may cause the DVD video player to malfunction.
- Do not push up on the disc tray or put any objects other than discs on the disc tray. Doing so may cause the DVD video player to malfunction.
- In many instances, a menu screen will appear after playback of a movie is completed. Prolonged display of an on-screen menu may damage your television set, permanently etching that image onto its screen. To avoid this, be sure to press the STOP button on your remote control once the movie is completed.

Variable Speed Playback

You can play discs at various speeds, and resume playback from the location where you stopped playback.



DVD VCD CD Playing in fast reverse or fast forward directions

Press REV or FWD during playback.

REV ◄◄ FWD ►►

REV: Fast reverse playback
FWD: Fast forward playback

Each time you press the REV or FWD button, the playback speed changes.

■ To resume normal playback

Press **PLAY**.

PLAY ►

Notes
- The DVD video player mutes sound and subtitles during reverse and forward scan of DVD video discs.
- The playback speed may differ depending on the disc.

DVD VCD Playing frame by frame

Press PAUSE/STEP during still playback.

PAUSE/STEP II/II►

Each time you press the PAUSE/STEP button, the picture advances one frame.

■ To resume normal playback

Press **PLAY**.

PLAY ►

Note

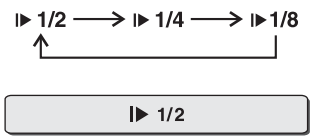
The sound is muted during frame by frame playback.

DVD VCD Playing in slow-motion

Press SLOW during playback.

SLOW

Each time you press the SLOW button, the slow-motion speed changes in the following sequence:



■ To resume normal playback

Press **PLAY**.

PLAY

Notes

- The sound is muted during slow-motion playback.
- 3 speeds are available.

DVD VCD CD Resuming playback from the same location

1 Press STOP at the location where you want to interrupt playback.

STOP

The DVD video player memorizes the location where playback is stopped.

2 Press PLAY.

PLAY

The DVD video player resumes playback from the location where you stopped playback.

■ To start playback from the beginning regardless of the location where you stopped playback.

1 Press **STOP** twice.

STOP

The DVD video player deletes the memory of the location.

2 Press **PLAY.**

PLAY

DVD Playback starts from the beginning of the current title.

VCD Playback starts from the beginning of the disc.

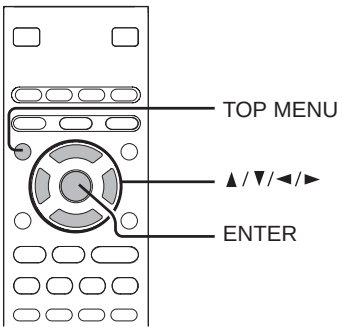
CD Playback starts from the beginning of the track.

- If you want to return to the beginning of a DVD video disc, open and close the disc tray once with the OPEN/CLOSE button before pressing the PLAY button.

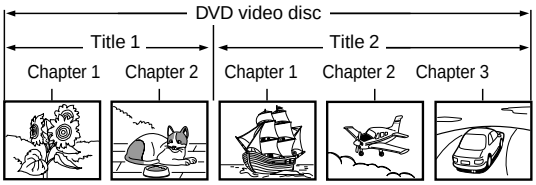
Notes

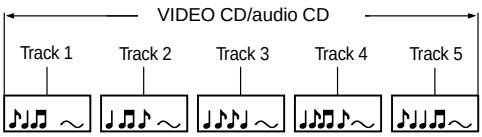
- Resuming cannot function when:
  - you play a PBC-featured VIDEO CD while “PBC” is set to “On”.
  - you open the disc tray.
  - you disconnect the power plug of the DVD video player.
- There may be a difference in the location where playback resumes depending on the disc.
- Settings you changed using the on-screen displays while the DVD video player keeps a location in the memory may function only after the memory is cleared.

Locating a Desired Section



Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. VIDEO CDs and audio CDs are divided into tracks. You can quickly locate any specific title, chapter, or track.





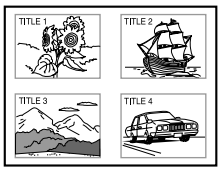
DVD Locating a title using the top menu

1 Press TOP MENU.

TOP MENU

The top menu appears on the TV screen.

e.g.



2 Press ▲ / ▼ / ◄ / ► to select the title you want.

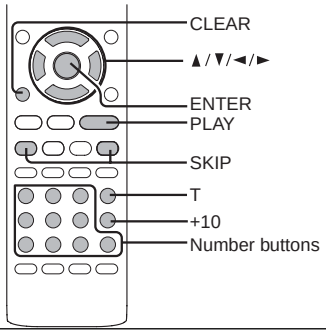
If the titles in the top menu are assigned a number, you can directly locate a specific title by pressing its designated number with the number buttons.

3 Press ENTER.

Playback starts from chapter 1 of the selected title.

Notes

- The instructions above describe basic procedures which may vary depending on the contents of the DVD video disc. If different instructions appear on the TV screen, follow those instructions.
- If you display the top menu during playback and press the TOP MENU button again without selecting any title, the DVD video player may resume playback from the point where you first pressed the TOP MENU button (depending on the actual DVD video disc.)
- This method of locating a title is available only on a disc that contains a top menu.
- Instruction notes of discs may refer to the button that displays the top menu as TITLE button.



DVD VCD CD Locating a desired section by entering the corresponding number

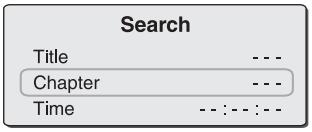
1 Press T.
Press ▲/▼ to highlight the Title/Chapter or Track.

If you are using a VIDEO CD/audio CD, skip step 2. Then at step 3, enter the number for the track you want using the number buttons.

SEARCH
T

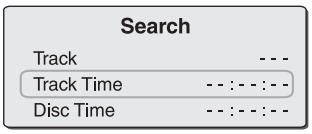
e.g.

DVD



ENTER

VCD
CD

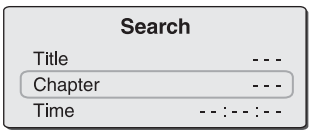


2 Press ▲/▼ to select a section you want to locate.

e.g. When you want to locate a chapter.

ENTER

DVD



3 Press the number buttons to enter title, chapter or track number.

(1) (2) (3)
(4) (5) (6)
(7) (8) (9) (0)

4 Press ENTER.

ENTER

Playback starts from the selected section.

■ Accessing chapters/tracks using number buttons:

When you select a chapter/track number greater than "10", press the 2 digits in order, then press ENTER. For example, if you want to select chapter/track 12, just press the number button "1"and "2". The chapter/track number "12" will appear on the Search menu screen. Then press ENTER. If you want to clear the chapter/track number, press CLEAR button. But if you want to select chapter/track number 10, press +10 and then ENTER.

Notes

- Pressing the CLEAR button resets the numbers. To clear the display, press the T button several times.
- This method of locating a title is available only on a disc that contains title numbers.
- For VCD with PBC on, accessing tracks using number buttons does not work.

DVD VCD CD Locating a specific chapter or track

Press SKIP ▶▶| or |◀◀ repeatedly to access the chapter or track number you want.

Playback starts from the selected chapter or track.

SKIP ▶▶|

To locate succeeding chapters or tracks.

SKIP |◀◀

Playback starts from the beginning of the current chapter or track.
When you press twice in quick successions, playback starts from the beginning of the preceding chapter or track.

Notes

- Some titles may not display chapter numbers.
- If you press and hold the SKIP ▶▶| or |◀◀ button on the front panel during playback, the DVD video player performs fast reverse or fast forward playback. You can vary the speed by pressing the button repeatedly.
  To locate chapters or tracks during fast reverse or fast forward playback, first press the PLAY button to resume normal playback, then use the SKIP ▶▶| or |◀◀ button.

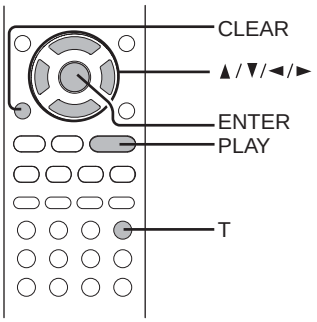
Advanced playback

Customizing the performance of your DVD video player.

- **Accessing a Specific Location Directly**
- **Repeating a Specific Segment**
- **Playing in a Varied Order**
- **Playing in a Favourite Order**
- **Zooming a Picture**
- **Selecting the Picture Enhancement (E.P.M.)**
- **Selecting the Sound Enhancement (E.A.M.)**
- **Selecting the Camera Angle**
- **Selecting Subtitles**
- **Selecting a Language**
- **On-screen Display Operation**
- **Playing MP3 Files**
- **Viewing JPEG Files**
- **Playing DivX®/MPEG-4 Files**

Accessing a Specific Location Directly

The unit stores the points that you want to watch again up to 3 points.
You can resume playback from each scene.



DVD VCD CD Entering the time counter of the desired location

1 Press T.

Press ▲/▼ button to highlight the time counter.

SEARCH
T

DVD

Search	
Title	- - -
Chapter	- - -
Time	- - : - - : - -

VCD
CD

Search	
Track	- - -
Track Time	- - -
Disc Time	- - : - - : - -

2 Press the number buttons to enter the time.

e.g. DVD

Search	
Title	- - -
Chapter	- - -
Time	- 1: 15 : 08

- The first number you entered represents hours.
- The second two numbers you entered represent minutes.
- The third two numbers you entered represent seconds.
- If you input a wrong number, press CLEAR.

3 Press ENTER.

Playback starts from the desired location.

Notes
- Some discs may not respond to this process.
- Some scenes may not be located precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD video disc or within the current track of the VIDEO CD / audio CD.

■ To set and play favourite bookmark during playback

1. Press T twice, the display of Bookmark appears, then press ENTER to mark the desired scene.

SEARCH
T

Bookmark 1	- - : - - : - -
Bookmark 2	- - : - - : - -
Bookmark 3	- - : - - : - -

2. Press ENTER to play the favourite bookmark.

■ To set other bookmarks.

Follow step 1 and move through the menu by pressing the ▲ or ▼ button.

■ Press T again to remove this display.

SEARCH
T

■ To cancel the Bookmark

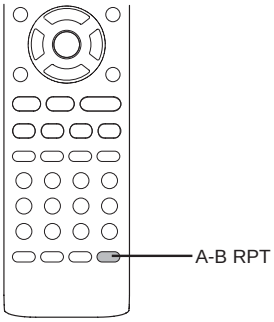
Follow step 1, then press CLEAR to cancel the bookmark. Move through the menu by pressing the ▲ or ▼ button to cancel other bookmarks.

CLEAR

Notes
- Some discs may not work with marking operation.
- The marking is cancelled when you open the disc tray or turn the power off.
- Some subtitles recorded around the marker may fail to appear.

Repeating a Specific Segment

You can specify a desired segment and repeat it.



DVD VCD CD Repeating a specific segment

1 **Press A-B RPT at the beginning of the segment (point A) you want to play repeatedly.**

A-B RPT

Rep A-

2 **Press A-B RPT again at the end of the segment (point B).**

A-B RPT

The DVD video player automatically returns to point A and starts repeat playback of the selected segment (A-B).

Rep A-B

■ To resume normal playback

Press **A-B RPT** until **Rep off** is displayed.

A-B RPT

Rep Off

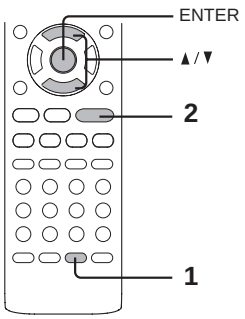
Notes

- Some discs may not permit A-B repeat operation.
- You cannot set the A-B repeat function for a segment that includes multiple camera angles 41.
- You can specify a segment only within the current title or track (VIDEO CD).
- There may be a slight difference between point A and the location where playback actually resumes depending on the disc.

Playing in a Varied Order

You can play titles, chapters within a title, or tracks in a varied order.

For Audio CD, please see “Playing MP3 files” 46.



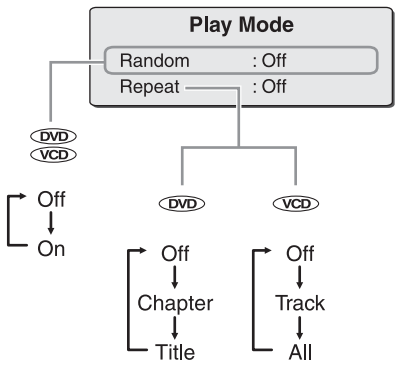
DVD VCD Playing titles, chapters or tracks in a varied order

1 Press PLAY MODE.

PLAY MODE

Press ▲ / ▼ button to select desired features and then press ENTER button to toggle desired mode.

e.g.



Chapter:
Repeats the chapters within the current title.
Title:
Repeats the current title.
Track:
Repeats the current track.
All:
Repeats the entire disc.
Off:
Resumes normal playback.

2 Press PLAY.

PLAY

Press the PLAY button, the DVD video player starts playback in the selected mode.

■ **To resume normal playback**

Press **ENTER** until the **Off** is displayed.

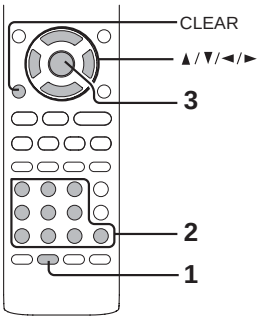
Note

Some discs may not permit these operations.

Playing in a Favourite Order

You can combine your favourite titles, chapters, or tracks and play them in the order you determine. You can program up to 12 selections into the memory. (Memory playback)

For Audio CD, please see “Playing MP3 files” 46.



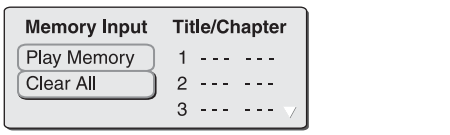
DVD VCD Setting titles, chapters, or tracks in a favourite order

1 Insert a disc and press MEMORY during stop.

MEMORY

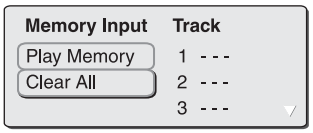
The following display appears.

e.g. DVD



Chapter number
Title number

e.g. VCD



Track number

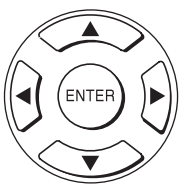
2 Select the items in the order you want by pressing the number buttons.

Each time you press the ▲/▼/◄/► button, the space is highlighted in turn. Highlight where you want to enter, then press the corresponding number buttons.

To select another chapter in the same title, you need to select the title number.

To select tracks from a VIDEO CD/audio CD in order, press the **number buttons** for the track.

3 Press ▲/▼/◄/► to move the highlighted bar to Play Memory, then press the ENTER.



The DVD video player starts memory playback.

■ To change the programmed selections

1. While the display appears on the TV screen, press ▲/▼/◄/► to move the highlighted bar to the item you want to change, then press CLEAR.
2. Press number buttons to input the new title/chapter/track number.

■ To cancel the programmed selections

1. While the display appears on the TV screen, press ▲/▼/◄/► to move the highlighted bar to the item you want to cancel.
2. Press CLEAR.

■ To resume normal playback from memory playback

Press **MEMORY** button.
Press ▲/▼/◄/► to move the highlighted bar to **Clear All**, then press the **ENTER**. All the input programs will be cleared.
Press **PLAY** button to resume normal playback.

PLAY ►

Normal playback will start from first location.

■ To program during playback

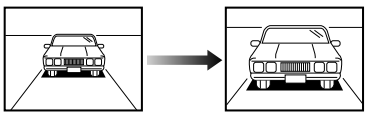
If you press the **MEMORY** button during playback, a programming display appears.
Follow steps 2 and 3.

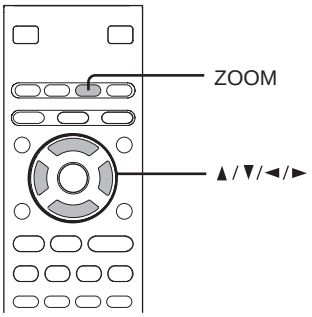
Notes

- Some discs may not permit memory playback operation.
- If you select repeat 36 during memory playback, the DVD video player repeats the current memory playback.
- If you press the MEMORY button while the display appears on the TV screen, the display disappears.
- The programmed selections will be cleared when you open the disc tray or turn off the DVD video player.

Zooming a Picture

You can magnify areas within a picture.





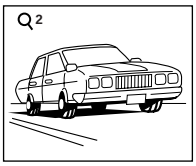
DVD VCD Zooming a picture

Press ZOOM during normal, slow or still playback.

ZOOM

The centre part of the image will be zoomed in.

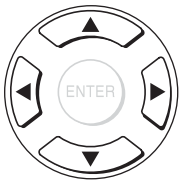
e.g.



Each time you press the ZOOM button, the magnification level changes as follows:

Q 2 → Q 4 → Q 16 → Q Off

Press the ZOOM button to select the magnificant level.



Press the ▲/▼/◄/► buttons to view a different part of the image. You may move the image from the centre position to UP, DOWN, LEFT and RIGHT direction.

When you reach the edge of the image, the display will not shift anymore in that direction.

Q Off

ZOOM

Press the ZOOM button repeatedly until the Q **Off** is displayed.

■ To resume normal playback

Press ZOOM repeatedly until the Q Off is displayed. Original picture is restored.

ZOOM

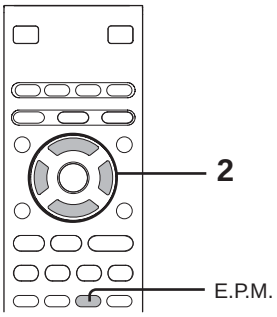
Notes

- Some discs may not respond to zoom feature.
- During some scenes, the buttons may not work as described.
- Zooming does not work on subtitles or menus included on DVD video discs.
- The magnification level varies depending on the picture size you select.

Selecting the Picture Enhancement (E.P.M.*)

You can easily select a preferred picture enhancement.

*E.P.M.: Enhanced Picture Mode



DVD VCD CD Selecting the picture enhancement

1 Press E.P.M.

E.P.M.

The picture enhancement menu appears.

2 Select the picture enhancement by pressing ▲ / ▼, then press ◄ / ► to make your selections.

Each time you press the ◄ / ► button, the picture enhancement changes.

■ **To exit the picture enhancement selection**

Press **E.P.M.** again.

E.P.M.

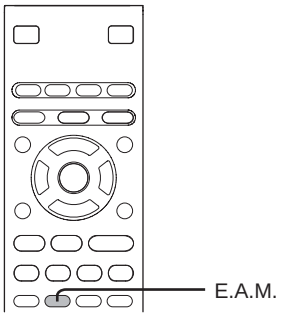
Note

Actual effect to picture may vary depending on the TV. Make selection according to your preference.

Selecting the Sound Enhancement (E.A.M.*)

You can easily switch a preferred audio enhancement.

*E.A.M.: Enhanced Audio Mode



DVD VCD Selecting the sound enhancement

1 Press E.A.M.

E.A.M.

The sound enhancement will appear:

3D Effects On

Press the E.A.M. button again, the sound enhancement change to Off.

3D*:
To obtain expansive virtual surround sound effects from two speakers.

To use this enhancement on sounds output from the ANALOG AUDIO OUT jacks, be sure to set “Digital Output” to “PCM”.

* Effective in playback of a DVD video disc or a VIDEO CD.

■ To exit the audio enhancement selection

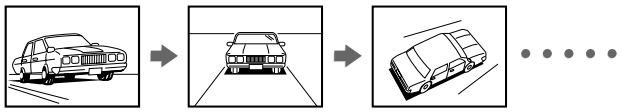
Leave the DVD video player unattended for about a few seconds after having made a selection.

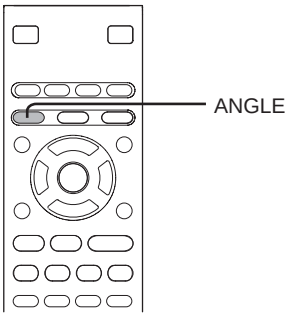
Notes

- Actual effects to sounds may vary depending on the speaker system. Make selection according to your preference.
- Actual effects to sounds may vary depending on the disc.
- When the DVD video player is connected to an amplifier equipped with Dolby Surround Pro Logic, select “3D Effects On”. Otherwise, Dolby Surround Pro Logic may function differently than usual.

Selecting the Camera Angle

If the scene was recorded from multiple angles, you can easily change the camera angle of the scene you are watching.





DVD Changing the camera angle

1 Press ANGLE while playing a scene recorded with multiple angles.

ANGLE

While playing a scene recorded with multiple angles, press the ANGLE button.

e.g. 2/3

Number changes to show the number of the current angle. (The maximum number of possible angles is 9)

2 Press ANGLE while the angle number is displayed on the TV screen.

ANGLE

Press the ANGLE button repeatedly to change the scene to the next angle in those recorded.

- About two seconds later, playback continues from the new angle you selected.
- If no button is pressed within 10 seconds, playback continues without changing the current angle.

■ To resume normal playback

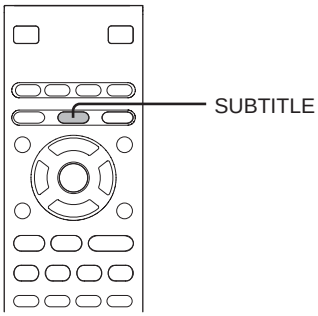
Press the ANGLE repeatedly until the " 1/3 " is displayed.

Notes:

- This function can only be used for discs on which scenes shot from multiple angles have been recorded.
- If only one angle is recorded, " 1/1 " is displayed.

Selecting Subtitles

You can display subtitles on the TV screen and select a subtitle language from those included on the DVD video disc.



DVD Selecting a subtitle language

1 **Press SUBTITLE during playback.**

SUBTITLE

The current subtitle setting is displayed.

e.g.

2 **Press SUBTITLE while the subtitle setting is displayed on the TV screen.**

Each time you press the SUBTITLE button, the subtitle languages included on the DVD video disc change.

e.g.

To turn off the subtitle setting display, press the SUBTITLE button repeatedly until Off is displayed.

■ To turn subtitles on or off

1. Press **SUBTITLE** during playback.

SUBTITLE

2. Press SUBTITLE repeatedly until the Off is displayed.

Notes

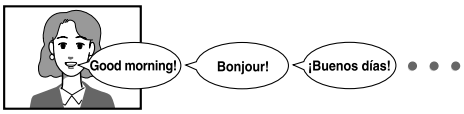
- Some DVD video discs are set to display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- During some scenes, the subtitles may not appear immediately after you select your desired.
- Some DVD video discs will allow you to make subtitle selections and turn subtitles on or off only via the disc menu.

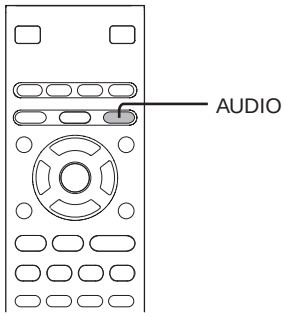
Notes

- When you turn on the DVD video player or replace a disc, the player returns to the initial default setting 〈63〉.
  When you select a subtitle language which is not included on the disc, the DVD video player plays a prior language programmed on the disc.
- During some scenes, the subtitles may not appear immediately after you change the subtitle language.

Selecting a Language

You can select a preferred language and sound recording system from those included on the DVD video disc.





DVD VCD Selecting a playback audio setting

1 Press AUDIO during playback.

AUDIO

The current audio setting is displayed.

e.g. 2/4 D 2 Ch Eng

Recorded audio format number changes sequentially. (The maximum number of possible audio formats is 8.)

The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations 64.

2 Press AUDIO while the audio setting is displayed on the TV screen.

AUDIO

Each time you press the AUDIO button, the audio settings included on the DVD video disc change.

The audio setting display will disappear after a few seconds.

Notes

- When you turn on the DVD video player or replace a disc, player returns to the initial default setting 63.
  If you select a sound track which is not included on the disc, the DVD video player plays a prior sound track programmed on the disc.
- Some discs allow you to change audio selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate language from the selections on the disc menu.

■ Selecting sound channels of VIDEO CDs

AUDIO

Press AUDIO repeatedly during playback to hear a different audio channel (stereo, Left or Right).

■ Output sound conversion table

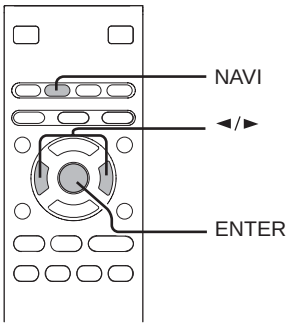
Input	Output	COAXIAL DIGITAL AUDIO OUT Jack "Digital Output" 61 " Raw "	COAXIAL DIGITAL AUDIO OUT Jack "Digital Output" 61 "PCM"	ANALOG AUDIO OUT Jacks
DVD video disc	Dolby Digital	" Raw "	PCM	○
	Linear PCM	PCM	PCM	○
	DTS	" Raw "	" Raw "	—
	MPEG1, MPEG2	" Raw "	PCM	○
VIDEO CD	MPEG1	PCM	PCM	○
Audio CD	Linear PCM 44.1 kHz/16 bit	PCM	PCM	○
	DTS	" Raw "	" Raw "	—
MP3		PCM	PCM	○

: 3D sound enhancement can function.

- Signals of 96kHz from the COAXIAL DIGITAL AUDIO OUT jack are depressed to 48 kHz by down sampling process when:
  – "3D Effects On" is selected. 40
  – a copyright protected disc is played.
- Quantization bit of signals of 20 bit or higher which is output from the COAXIAL DIGITAL AUDIO OUT jack is 16 bit if they are in a copyright protected disc.

On-screen Display Operation

When you turn on the on-screen display, you can view information on operational status and access features and settings.



DVD VCD On-screen display operation

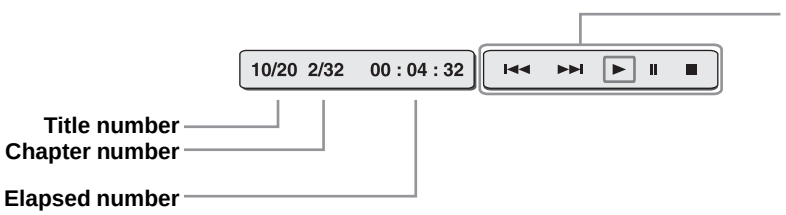
Press NAVI.

NAVI

The following display appears.

See the pages in ▭ for details on the features.

e.g. When playing a DVD video disc.



■ Features

Title number (Track number)
Locate a title or track using the number buttons. 31

Chapter number
Locate a chapter using the number buttons. 31

Elapsed time of the current title or track
To enter the time to locate a desired location. 34

■ : To stop playback. 27

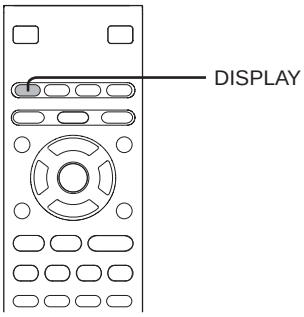
⏮ : Playback starts from the beginning of the current chapter or track. 31

► : To start playback. 26

⏭ : To locate succeeding chapters or tracks. 31

❚❚ : To pause playback. 27

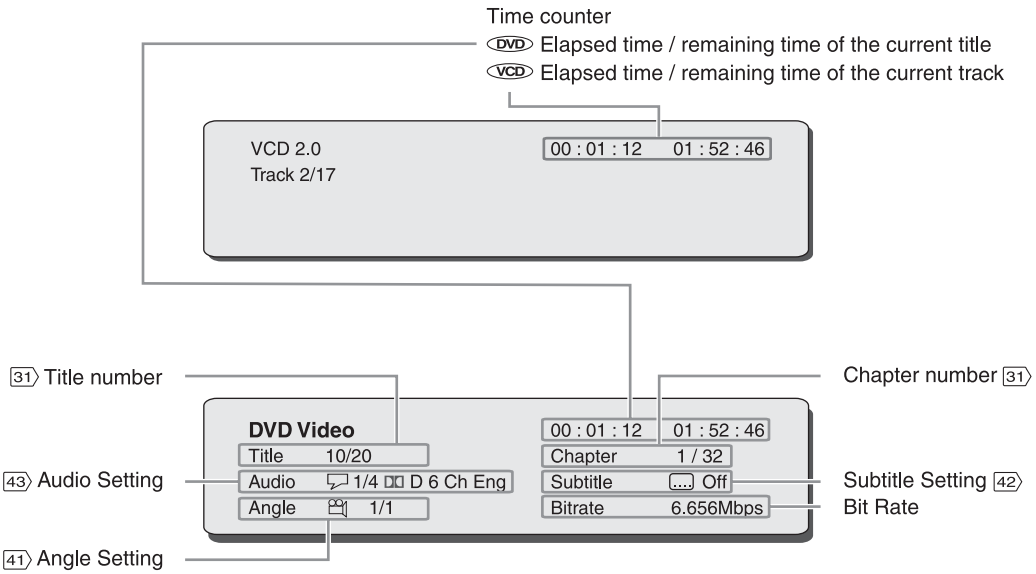
On-screen Display Operation (Continued)



On-screen display operation

■ Viewing the operational status

1. Press **DISPLAY.**
   The following display appears.



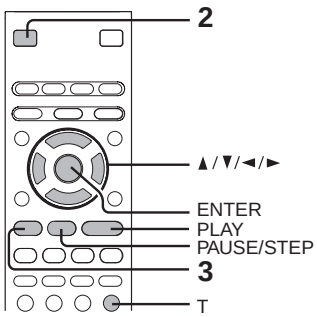
2. To turn off the display, press **DISPLAY** again.

Bit rate (Mbit/s)

Amount of picture, sound and subtitle data in the DVD video disc transferred per second. The larger the value is, the more data processed, but this does not necessarily insure better picture quality.

Playing MP3 Files

You can play MP3 files that have been recorded on a CD-R or CD-ROM on the DVD video player.



Playing MP3 files

■ Preparations

- Make sure that a disc you want to play is compatible with this DVD video player. 47

1 **Place a CD that contains MP3 files on the disc tray.**

2 **Press OPEN/CLOSE to load the disc.**

OPEN/CLOSE

3 **To stop playback, press STOP.**

STOP

■ Selecting a specific time of the current track

1. Press **T.**
2. Enter the time to select a specific time you want to play.
3. Press **ENTER** to begin playback of the selected time.

Notes

- Letter of a file/folder name overflowing the given space are not displayed.
- You can play in fast reverse or fast forward during MP3 playback.

■ To pause playback

Press **PAUSE/STEP** during playback.

PAUSE/STEP

To resume normal playback, press the PLAY button.

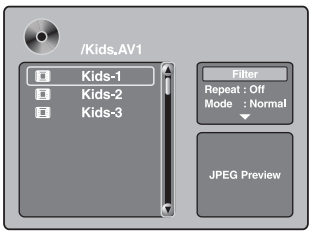
Notes

- Some discs may not permit this operation.
- The COAXIAL DIGITAL AUDIO OUT jack outputs MP3 sounds in the linear PCM format regardless of the current "Digital Output" selection 61.
- The SKIP 31 function is also available.

■ Play modes for MP3/CD/DivX®

When you play MP3/CD/DivX®, user are able to modify the Play modes through the Toolkit which appears on the right of below picture on the screen. Press ◄ / ► buttons to navigate between the windows and ▲/▼ buttons to select files/tracks or play mode items. Then press ENTER button. Please refer to below steps to playback files/tracks in the Memory View list:

1. Select Edit Mode in the Toolkit then press ENTER button to start Edit Mode.
2. Select a file/track or more files/tracks you want in the Original View list with the ENTER button.
3. Select Add To Memory in the Toolkit then press ENTER. "✓" will disappear from the screen. It means that the files/tracks you have selected already added into the memory view list.
4. Select Memory View in the Toolkit then press ENTER to open the files/tracks in the Memory View list that you already selected in step 2.
5. Press PLAY to playback all files/tracks in the Memory View list.



The Toolkit has the following play mode items:

- **Filter (Audio/Photo/Video)**: Sets file filters.
- **Repeat (Off/Track/All)**:
  Off: Resumes normal playback.
  Track: Repeats the current track/file.
  All: Repeats all files on the current folder or all tracks on the disc.
- **Mode (Normal/Shuffle/Random/Intro)**:
  Normal: Resumes normal playback.
  Shuffle: Playbacks track/file in random order.
  Random: Playbacks track/file in random order, and will repeat playback the same track/file more than one time.
  Intro: Only playbacks the first 10 seconds of all the files on the current folder or all tracks on the disc.
- **Edit Mode**: Memory operation works only when Edit Mode is selected.
- **Memory View**: To view tracks/files in the Memory View list. It is disabled when the Memory View list is empty.
- **Add To Memory**: Add files/tracks to the Memory View list. It is disabled if the Edit Mode is not selected.
- **Browser View**: To view files/tracks in the original View list.
- **Clear All**: Delete the files/tracks in the Memory View list. Select a file/track or more you want to delete in stop mode. "✓" will appear besides the deleted file/track. Select Clear All and then press ENTER. It is disabled if the Edit mode is not selected.

■ Playable files

MP3 disc compatibility with this player is limited as follows:

- Playable discs: CD-ROM, CD-R.
  CD-RW is not recommendable.
- Sampling Frequency: 44.1 kHz only
- Bit rate: 32 kbps - 320 kbps (CBR*)
- CD physical format: Mode 1, Mode 2 XA Form 1
- File system: ISO9660 Level 1, 2 or Joliet
- File name: A file name should be in alphabet and numerals only, and must incorporate “MP3”.
  e.g.“********.MP3”.
- Total number of folders: Less than 256
- Total number of files: Less than 1000

* CBR = Constant Bit Rate

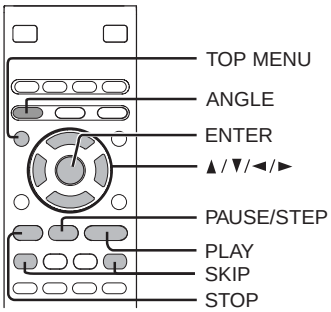
This DVD video player requires discs/recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 files). Because this area of technology is still evolving, Toshiba cannot guarantee that all recordable discs will produce optimal playback quality. The technical criteria set forth in this owner’s manual are meant only as a guide.

Please be advised that you must obtain permission from the applicable copyright owners to download copyrighted content, including music files, in any format, including the MP3 formats, prior to the downloading thereof. Toshiba has no right to grant and does not grant permission to download any copyrighted content.

Note
When the MP3 file is out of the above specifications, the song may be skipped or muted with counter moving.

Viewing JPEG Files

You can play JPEG files that have been recorded on a CD-R or CD-ROM on the DVD video player.
You can select a preferred view: a page of 9 thumbnail images or a single image view.
Also, rotating, enlarging and shifting of each image can be possible.



Viewing JPEG files

■ Preparations

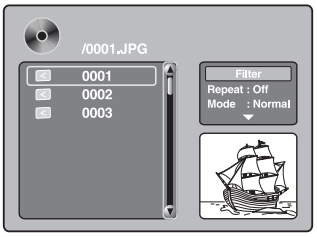
- Prepare a disc that contains JPEG files you want to view. 50
- Make your TV shape conform to the 4:3 picture size. Only 4:3 pictures can be played regardless of the function settings via the on-screen displays of the DVD video player. If the TV is adjusted to other sizes, e.g. "16:9", images will appear to be horizontally expanded. For details, refer to the owner's manual of your TV.

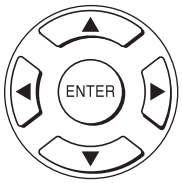
1 Press OPEN/CLOSE to open the disc tray, place a disc that contains JPEG files.

OPEN/CLOSE

Press OPEN/CLOSE to close the disc tray. A list of folders/files will appear on the screen.

A list of files in the disc appears. (Selection mode) e.g.





Press ▲ / ▼ button to select your desired file, and then press ENTER or PLAY button to start playback.
Press STOP to display a folder list.

STOP

Note
When you press ▲ / ▼ button to select the left file, the selected picture will appear at the lower right corner.

■ **To quit the JPEG playback, press STOP.**

STOP

- Pressing the OPEN/CLOSE button to open the disc tray can also quit the playback.

■ **To pause playback**

Press PAUSE/STEP during playback

PAUSE/STEP

To resume normal playback, press PLAY.

■ **To change the image**

SKIP

To view the succeeding image, press SKIP ▶▶|.

SKIP

To view the previous image, press SKIP |◀◀.

■ **To magnify image**

Press ZOOM repeatedly.

ZOOM

Each time you press the ZOOM button, the magnification level changes as follows:

Q 2 → Q 4 → Q 16 → Q Off

Press the ▲/▼/◄/► buttons to view a different part of the image. You may move the image from the centre position to UP, DOWN, LEFT and RIGHT direction. When you reach the edge of the image, the display will not shift anymore in that direction.

■ **To rotate an image**

Press the ANGLE button repeatedly. The image will rotate in the clockwise direction as follows:

ANGLE

→ 90° → 180° → 270° →
No Rotation (original) ←

■ **To resume normal playback**

Press the ZOOM repeatedly until the Q Off is displayed.

ZOOM

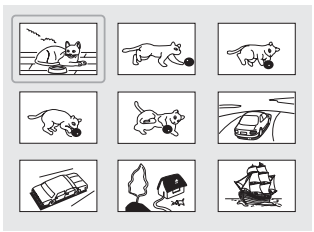
- Original picture is restored when the Q Off appears.
- Depending on the file size, some files may not display the entire image.

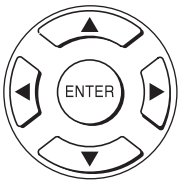
Viewing a thumbnail view

1 **Press TOP MENU in full-screen review.**

TOP MENU

e.g.





Press the ▲/▼/◄/► to select an image, press PLAY to view one image in full-screen and automatically images will be displayed one by one again in a few seconds.

■ **Turn the page if necessary**

Press SKIP ⏮ / ⏭ to review other thumbnail screen.

SKIP ⏭ SKIP ⏮

■ **To quit the JPEG playback, press STOP.**

STOP ■

- Pressing the OPEN/CLOSE button to open the disc tray can also quit the playback.

■ **To pause playback**

Press PAUSE/STEP during playback

PAUSE/STEP ⏸/⏯

To resume normal playback, press PLAY.

Notes

- Depending on the file size, some files may not display the entire image.
- If you press the TOP MENU in full-screen review, the DVD video player will display a menu of 9 thumbnail images.

Slide Show playback

The Slide Show enables you to view picture (files) one after another automatically.

■ Preparation:

Set “JPEG Interval” setting to “5 Seconds” “10 Seconds” or “15 Seconds” 60.

1 **Select your desired starting file for the slide show as in step 1 on page 48.**

2 **Press ENTER or PLAY to start Slide Show from the selected file.**

PLAY ▶

3 **Press STOP to stop the Slide Show.**

The file list appears.

STOP ■

Note

- Pause, Zoom, Skips and rotate functions are also available during Slide Show Playback 48.

JPEG files compatibility

Discs whose compatibility with this DVD video player has been confirmed by TOSHIBA are as follows.
Many of these discs, when loaded, will make the DVD video player enter the automatic mode to play a prescribed folder in the disc. To play other folders, display a folder list and select a folder.

CANON QuickCD
FUJICOLOR CD
Kodak Picture CD
NORITSU QSS CD

JPEG disc compatibility with this DVD video player is limited as follows:

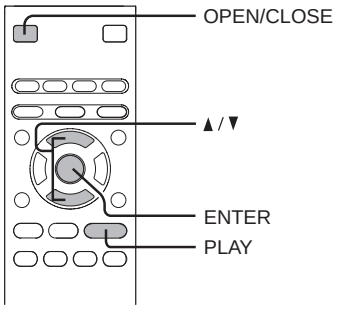
• Playable discs:	CD-ROM, CD-R CD-RW is not recommendable.
• CD physical format:	Mode 1, Mode 2 XA Form 1
• File system:	ISO9660 Level 1, 2 or Joliet
• File name:	A file name should be in alphabet and numerals only, and must incorporate “JPG” extension. e.g.“********.JPG” (Do not name the file with “JPE” or “JPEG” extension.)
• Total number of folders:	Less than 256
• Total number of files:	Less than 1000

Depending on the file size, some files may not display the entire image.

Some discs may not permit this operation. Especially, the following conditions of included files will increase the disc’s disability.
1. Pixels over 3072 x 2048 in height and/or width
2. File format except Exif

Playing DivX®/MPEG-4 Files

You can play DivX® and MPEG-4 files that have been recorded on a CD-R or CD-ROM on the DVD video player.



Playing DivX®/MPEG-4 files

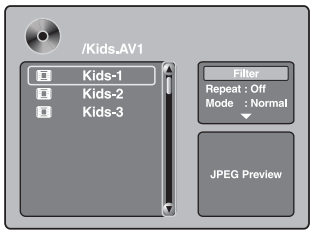
1 Press OPEN/CLOSE to open the disc tray, place a disc that contains DivX® or MPEG-4 files.

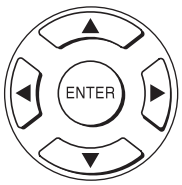
OPEN/CLOSE

Press OPEN/CLOSE to close the disc tray, after completion of reading, a list of folders in the disc will appear.

A list of folders in the disc appears.

e.g.





Press ▲/▼ to select your desired file, and then press ENTER or PLAY button to start playback.

Press STOP to display a folder list.

PLAY

Notes

- It is recommended to record same kind of files in a CD-ROM or CD-R.
- Some DivX® Video-On-Demand files may require registration code of your DVD video player, you may get the code in Default settings 〈63〉.

■ Playable files

DivX® / MPEG-4 disc compatibility with this player is limited as follows:

• Playable discs:	CD-ROM, CD-R CD-RW is not recommendable.
• DivX® versions:	DivX® 3.11, 4.12, 5.0, 5.1
• Audio format:	CBR MP3, VBR MP3, Mono MP3, DivX® AC3
• Enhance video:	GMC, Qpel, Progressive B-frames
• Frame rate:	8 to 25 fps
• CD physical format:	Mode 1, Mode 2 X A Form 1
• File system:	ISO9660 Level 1, 2 or Joliet
• File name:	A file name should be in alphabet and numerals only, and must incorporate “MPG” or “AVI” extension. e.g. “ *******.MPG ”, “ *******.AVI ”
• Total number of folders:	Less than 256
• Total number of files”	Less than 1000

DivX, DivX Certified, and associated logos are trademarks of DivX, Inc. and are used under license.

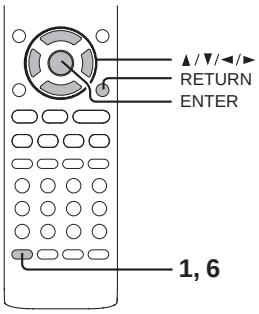
Function setup

You can change the default settings to customize performance to your preference.

- **Customizing the Function Settings**
- **Table of Languages**

Customizing the Function Settings

You can change the default settings to customize performance to your preference.

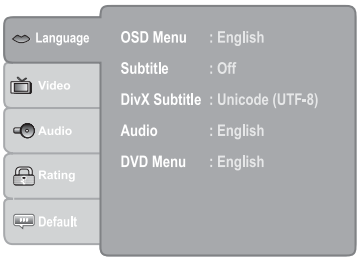


DVD VCD CD Setting procedure

1 Press SETUP during stop.

SETUP

The following on-screen display appears.



2 Press ▲ / ▼ to select an option for the setting you want to change, then press ►.

(See the next page.)

Language settings

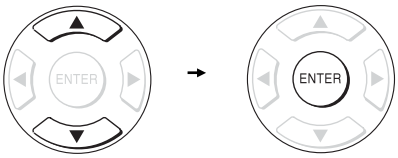
Video settings

Audio settings

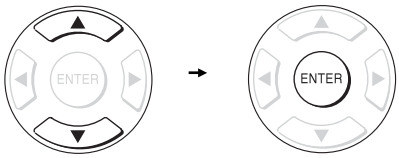
Rating settings

Default settings

3 Press ▲/▼ to select the setting you want to change, then press ENTER.



4 Change the selection by ▲/▼ buttons, by referring to the corresponding pages, then press ENTER.



5 Repeat steps 3 and 4 to change other settings.

To select another option, press ◄ to go back to step 2.

6 Press SETUP.

SETUP

The on-screen display disappears.

Note

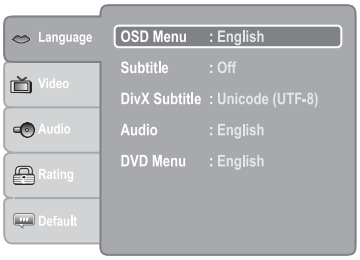
To quit the procedure, press the SETUP button to turn off the on-screen display.

	Setting		Details	Page
Language	**OSD Menu**	DVD VCD CD	**To select a preferred language for on-screen display.**	**56**
	Subtitle	DVD	**To select a preferred language for subtitles.**	**56**
	DivX® Subtitle		**To select a preferred language for your DivX® video disc.**	**57**
	Audio	DVD	**To select a preferred language for the sound track.**	**57**
	DVD Menu	DVD	**To select a preferred language for disc menus.**	**57**
Video	**TV Shape**	DVD	**To select a picture size according to aspect ratio of your TV.**	**58**
	View Mode	DVD VCD CD	**To select desired view mode for 4:3 TV shape.**	**58**
	TV System	DVD VCD CD	**To select a TV system according to your TV.**	**59**
	Video Output	DVD VCD CD	**To select whether you send Composite, Component, RGB, P-Scan or HDMI signals to the connected TV.**	**59**
	HD Resolution		**To select the HD Resolution.**	**60**
	HD Jpeg Mode		**To select On or Off for HD Jpeg Mode.**	**60**
	JPEG Interval		**To select the JPEG Interval.**	**60**
Audio	**Digital Output**	DVD VCD CD	**To select an output sound format corresponding to your system connection.**	**61**
	Night Mode	DVD VCD CD	**To select the night mode.**	**61**
Rating	**Parental**	DVD	**To turn the parental lock function on or off.**	**62**
	Set Password	DVD	**To create a personal security code.**	**62**
	Dim Ctrl		**To turn the dim control on or off.**	**63**
Default	**Use Default Settings**	DVD VCD CD	**To return the initial settings such as Language, Video, Audio and etc. to the factory default.**	**63**
	DivX® Registration		**To get your DVD Video Player DivX® registration code.**	**63**

Customizing the Function Settings (continued)

Setting details

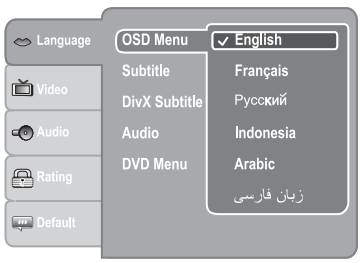
Language



OSD Menu DVD VCD CD

English: To view on-screen displays in english.
Français: To view on-screen displays in french.
Русский: To view on-screen displays in russian.
Indonesia: To view on-screen displays in indonesia.
Arabic: To view on-screen displays in arabic.
زبان فارسی: To view on-screen displays in persian.

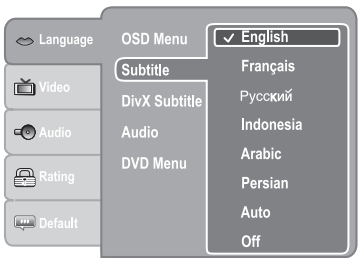
1) Press SETUP button.
2) Press ► button to select the OSD Menu.
3) Press ENTER button, then the ▲ / ▼ button to shift and change the Language.
4) Press ENTER button.
5) Press SETUP button to exit the menu.



Subtitle DVD

English: To display subtitles in english.
Français: To display subtitles in french.
Русский: To display subtitles in russian.
Indonesia: To display subtitles in indonesia.
Arabic: To display subtitles in arabic.
Persian: To display subtitles in persian.
Auto: To display subtitles in different languages other than you selected.
Off: To disable subtitles.

1) Press SETUP button.
2) Press ► button, then the ▲ / ▼ button to select the Subtitle.
3) Press ENTER button, then the ▲ / ▼ button to shift and change the Language.
4) Press ENTER button.
5) Press SETUP button to exit the menu.



Notes

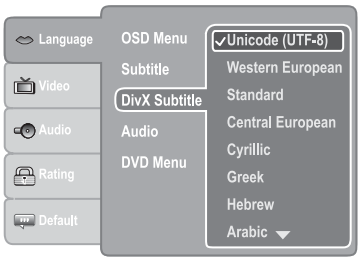
- Some DVD video discs may be set to display subtitles in a different language other than you selected. A prior subtitle language may be programmed on the disc.
- Some DVD video discs allow you to change subtitle selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate subtitle language from the selection on the disc menu.

DivX® Subtitle

If your DivX® files include a subtitle file, then you may select a supported DivX® subtitle language by region:

Unicode (UTF-8)
Western European
Standard
Central European
Cyrillic
Greek
Hebrew
Arabic
Vietnam

1) Press SETUP button.
2) Press ► button, then the ▲ / ▼ button to select the DivX Subtitle.
3) Press ENTER button, then the ▲ / ▼ button until your preferred subtitle is displayed.
4) Press ENTER button.
5) Press SETUP button to exit the menu.

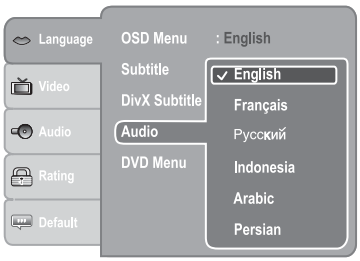


Notes
- If your DivX® files do not include the subtitle file, you cannot use this selection.
- Supported subtitle file formats:
  .srt, .sub, .txt, .smi, .ssa, .ass, .psb.

Audio DVD

English: To play sound tracks in english.
Français: To play sound tracks in french.
Русский: To play sound tracks in russian.
Indonesia: To play sound tracks in Indonesia.
Arabic: To play sound tracks in arabic.
Persian: To play sound tracks in persian.

1) Press SETUP button.
2) Press ► button, then the ▲ / ▼ button to select the Audio.
3) Press ENTER button, then the ▲ / ▼ button until your preferred Audio is displayed.
4) Press ENTER button.
5) Press SETUP button to exit the menu.

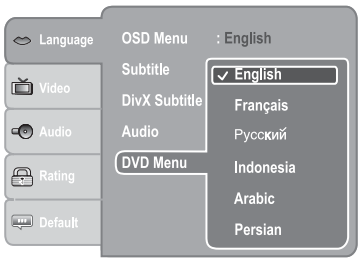


Note
Some DVD video discs may not be played in a different language than you selected. A prior language may be programmed on the disc.

DVD Menu DVD

English: To display DVD Menus in english.
Français: To display DVD Menus in french.
Русский: To display DVD Menus in russian.
Indonesia: To display DVD Menus in indonesian.
Arabic: To display DVD Menus in arabic.
Persian: To display DVD Menus in persian.

1) Press SETUP button.
2) Press ► button, then the ▲ / ▼ button to select the DVD Menu.
3) Press ENTER button, then the ▲ / ▼ button until your preferred DVD Menu language is displayed.
4) Press ENTER button.
5) Press SETUP button to exit the menu.

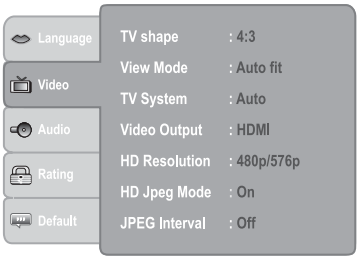


Note
Some DVD video discs may not include your pre-selected language. In this case, the DVD video player automatically displays disc menus consistent with the disc's initial language setting.

Customizing the Function Settings (continued)

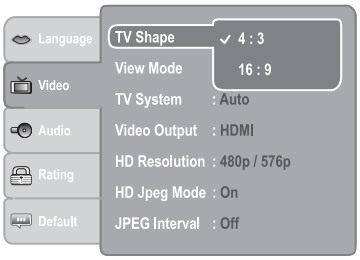
Setting details

Video



TV Shape DVD

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Video.
3) Press ► button, then the ▲ / ▼ button to select the TV Shape.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the TV type.
5) Press ENTER button.
6) Press SETUP button to exit the menu.



4:3 Select when a standard 4:3 TV is connected.

Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off.

16:9 Select when a 16:9 TV is connected.

Notes

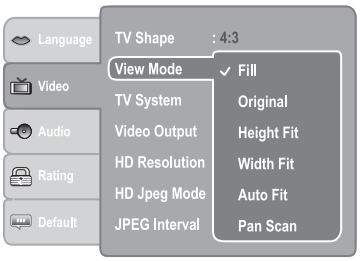
- The displayable picture size is preset on the DVD video disc. Therefore, the playback picture of some DVD video discs may not conform to the picture size you select.
- When you play DVD video discs recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture size regardless of the TV shape setting.
- If you select “16:9” and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Always be sure that your TV shape conforms to the actual TV in use.

View Mode DVD

The user may select one of the following options:

Fill:	Fll the screen with decoded image.
Original:	Display image as it original size.
Height Fit:	Fit the screen height with image height.
Width Fit:	Fit the screen width with image width.
Auto Fit:	Automatically fit the decoded image on screen without distortion.
Pan Scan:	Automatically display decoded image on full screen without distortion.

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Video.
3) Press ► button, then the ▲ / ▼ button to select the View Mode.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the View Mode.
5) Press ENTER button.
6) Press SETUP button to exit the menu.



Pan Scan

Select when a standard 4:3 TV is connected. Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off.

Auto Fit

Automatically fit the decoded image on screen without distortion. Black bars will be presend on top/bottom or left/right of screen.

Note

Depending on the DVD discs, you may not be able to view the mode as selected.

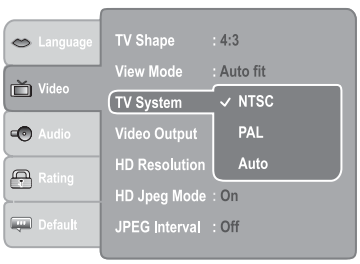
TV System DVD VCD CD

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Video.
3) Press ► button, then the ▲ / ▼ button to select the TV System.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the system.
5) Press ENTER button.
6) Press SETUP button to exit the menu.

NTSC: Select if your TV system is NTSC.

PAL: Select if your TV system is PAL.

Auto: The DVD video player automatically identifies PAL or NTSC video system of a disc. Connect a multisystem TV (PAL / NTSC compatible) to view a picture.
A playback picture may be distorted when detected a signal change between PAL and NTSC on the disc. For the case of Progressive mode, your multisystem TV must be able to support 525p and 625p.



Video Output DVD VCD CD

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Video.
3) Press ► button, then the ▲ / ▼ button to select the Video Output.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the Output mode.
5) Press ENTER button.
6) Press SETUP button to exit the menu.

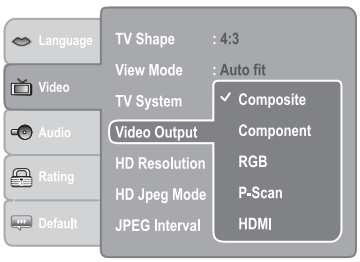
Composite: Select if you connect the DVD to your TV via composite video (yellow) input.

Component: Select if you connect the DVD to your TV which has component video inputs.

RGB: Select if you connect the DVD to your TV which has RGB inputs by scart cable.

P-Scan (Progressive): Select if you connect the DVD to your TV which has component video inputs that support progressive scan.

HDMI: High Definition Multimedia Interface. Select if you connect the DVD to TV via HDMI input.

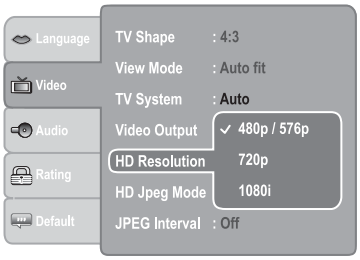


Customizing the Function Settings (continued)

Setting details

HD Resolution

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Video.
3) Press ► button, then the ▲ / ▼ button to select the HD Resolution.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the HD resolution.
5) Press ENTER button.
6) Press SETUP button to exit the menu.

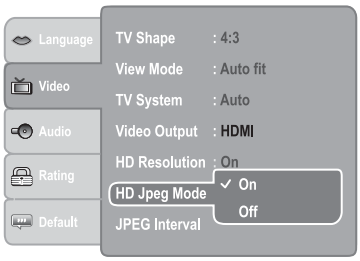


Note
- Supported HD JPEG Mode: 480p/576p, 720p, 1080i.
- If the Video Output is not set to “HDMI“, you cannot select the “HD Resolution”.

HD Jpeg Mode

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Video.
3) Press ► button, then the ▲ / ▼ button to select the HD Jpeg Mode.
4) Press ENTER button, then the ▲ / ▼ button to select the output mode.
5) Press ENTER button.
6) Press SETUP button to exit the menu.

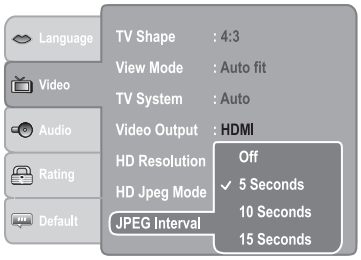
On: JPEG image is displayed in a suitable picture quality (480p/576p, 720p or 1080i) 〈20〉.
Off: The picture quality is fixed to 480p/576p.



Note
If the Video Output is not set to “HDMI”, you cannot select the “HD Jpeg Mode”.

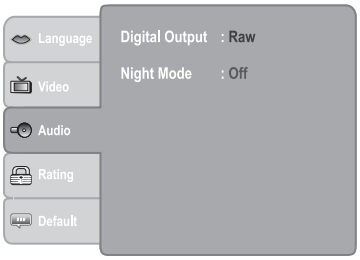
JPEG Interval

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Video.
3) Press ► button, then the ▲ / ▼ button to select the JPEG Interval.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the JPEG Interval.
5) Press ENTER button.
6) Press SETUP button to exit the menu.



Off: Plays back one file at a time.
5 seconds: Plays back images in the form of a slide show at 5 seconds interval.
10 seconds: Plays back images in the form of a slide show at 10 seconds interval.
15 seconds: Plays back images in the form of a slide show at 15 seconds interval.

Audio

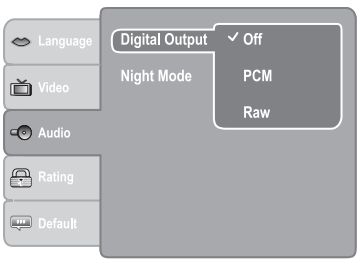


Digital Output DVD VCD CD

Selects the output sound format corresponding to your system connection.

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Audio.
3) Press ► button, then the ▲ / ▼ button to select the Digital Output.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the output sound format.
5) Press ENTER button.
6) Press SETUP button to exit the menu.

PCM: Select when connected to a 2 channel digital stereo amplifier.
The DVD video player outputs sound in the PCM 2 channel format when you play a DVD video disc recorded on the Dolby Digital, MPEG1 OR MPEG2 recording system.
Raw: Disc audio raw data will be output.
Off: To disable Digital Output.

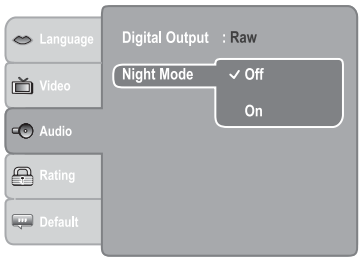


Notes
- When you make a connection to a TV, Dolby Surround Pro Logic or stereo system via the analog audio jacks, select “PCM” or “Raw”.
- If this DVD video player is connected to a TV using HDMI, make sure to select “PCM”.

Night Mode DVD VCD CD

Night mode is equivalent to Dynamic Range Compress. When it is On, it reduces the variations between loud and soft sounds in audio output. You can still hear softer sounds and dialogue even in very low volume.

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Audio.
3) Press ► button, then the ▲ / ▼ button to select the Night Mode.
4) Press ENTER button, then the ▲ / ▼ button to shift and change the Night Mode.
5) Press ENTER button.
6) Press SETUP button to exit the menu.

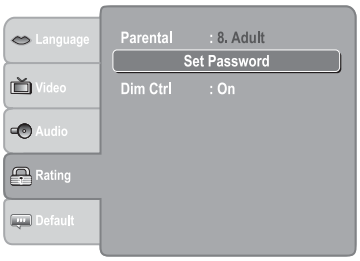


Note
Night mode is Dynamic Range Control (DRC) option for analogue audio output.

Customizing the Function Settings (continued)

Setting details

Rating



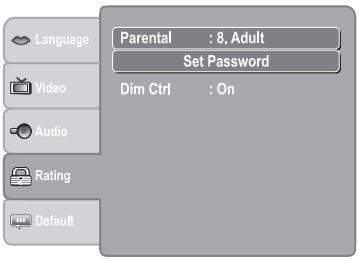
Parental DVD

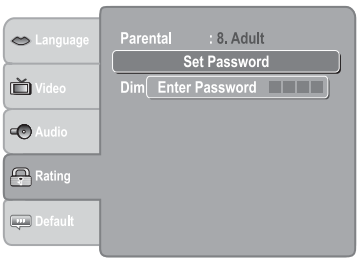
DVD discs equipped with the password function are rated according to their content. The contents allowed by a parental lock level and the way a DVD disc can be controlled may vary from disc to disc.

For example, if the disc allowed, you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or you could lock out playback of the disc altogether.

- DVD video discs may or may not respond to the parental lock settings. This is not a defect in the DVD video player. Make sure this function works with your DVD video discs.

1) Press SETUP button.
2) Press ▲ / ▼ to select the Rating.
3) Press ► button, then the ENTER button to select the Parental. "Enter Password" screen will appear.





4) Press "8888" using number buttons. (Please note, this is presetting password of this unit). Then press ENTER.
   Press ENTER again to list the parental level.

The parental lock level is equivalent to the following ratings:

Level 1: Kid Safe
Level 2: G
Level 3: PG
Level 4: PG-13
Level 5: PG-R
Level 6: R
Level 7: NC-17
Level 8: Adult

5) Press ▲/▼ to select the rating from 1 to 8. Rating one (1) has the most restrictions while rating eight (8) can virtually playback all DVD software.
6) Press OPEN/CLOSE button to activate the Parental Level setting.
   If the DVD disc has been designed to temporarily cancel the Parental Level, the screen will change depending on which disc is played. If you select "YES" with the ENTER button, "Enter Password" screen will appear. Input the 4-digit password as you have set then followed by ENTER button and playback will start. If "NO" is selected, press the OPEN/CLOSE" to remove the disc.

Notes

- If you input a wrong password, press CLEAR button and re-enter your 4-digit password again.
- You cannot play DVD discs rated higher than the level you selected unless you cancel the parental lock function.

Set Password DVD

New Password can be set to replace the default password.

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Rating.
3) Press ► button, then the ▲ / ▼ button to select Set Password.
4) Press ENTER button. "Enter Password" screen will appear.
5) Press the number buttons to input the current password (If the password has not been set yet after you purchase this unit, it is "8888"). Then press ENTER.
6) Press ENTER button again, "Enter New Password" screen will appear. Press the number buttons to input the new password.
7) Press ENTER button. Now your new password has been set. Be sure to remember this number!

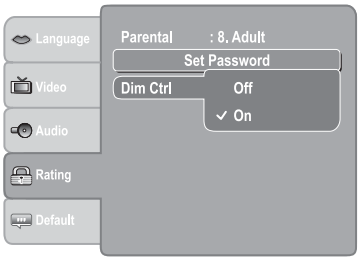
If you forget the password, you can erase your current password by pressing number button 8 on the remote control four times, then press ENTER button to confirm the setting.

PASSWORD: 8888

Dim Ctrl

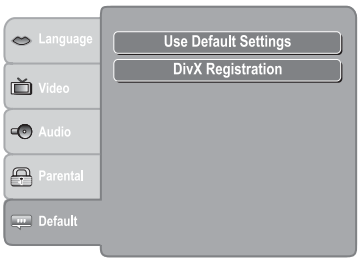
1) Press SETUP button.
2) Press ▲ / ▼ button to select the Rating.
3) Press ► button, then the ▲ / ▼ button to select Dim Ctrl.
4) Press ENTER button, then the ▲ / ▼ button to change the On / Off mode.
5) Press ENTER button.
6) Press SETUP button to exit the menu.

On: The blue light on the front panel will light up when the unit is powered on.
Off: The blue light on the front panel will not light up.



Note
The setting of Dim Ctrl will reset to "On" after the unit is powered off.

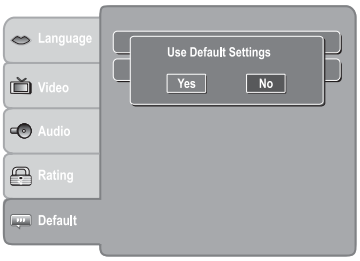
Default



Use Default Settings DVD VCD CD

If you want to return the inital language setting such as Language, Video, Audio and etc. to the factory default, do the following:

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Default.
3) Press ► button, then the ENTER button to select the Use Default Settings dialogue box.
4) Press ◄ / ► button to select "Yes", then press ENTER button. The original setting will be restored.
5) Press SETUP button to exit the menu.

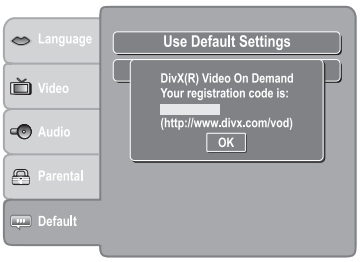


Note
When you reset the DVD video player to the factory default, the DVD video player will take 3-5 seconds to reset.

DivX® Registration

Some DivX® Video-On-Demand files required registration code, please get the code of your DVD video player as follow:

1) Press SETUP button.
2) Press ▲ / ▼ button to select the Default.
3) Press ► button, then the ▲ / ▼ button to select the DivX Registration.
4) Press ENTER button, your registration code will be shown.
5) Press ENTER button.
6) Press SETUP button to exit the menu.



Note
This registration code is for DivX® Video-On-Demand only. Do not apply this code for other applications or websites.

Table of Languages

Table of languages and their abbreviations

Abbreviation	Language
– – –	No alternate language
CHI (ZH)	Chinese
DUT (NL)	Dutch
ENG (EN)	English
FRE (FR)	French
GER (DE)	German
ITA (IT)	Italian
JPN (JA)	Japanese
KOR (KO)	Korean
MAY (MS)	Malay
SPA (ES)	Spanish
AA	Afar
AB	Abkhazian
AF	Afrikaans
AM	Amharic
AR	Arabic
AS	Assamese
AY	Aymara
AZ	Azerbaijani
BA	Bashkir
BE	Belorussian
BG	Bulgarian
BH	Bihari
BI	Bislama
BN	Bengali, Bangla
BO	Tibetan
BR	Breton
CA	Catalan
CO	Corsican
CS	Czech
CY	Welsh
DA	Danish
DZ	Bhutani
EL	Greek
EO	Esperanto
ET	Estonian
EU	Basque
FA	Persian
FI	Finnish
FJ	Fiji
FO	Faroese
FY	Frisian
GA	Irish
GD	Scottish Gaelic
GL	Galician

Abbreviation	Language
GN	Guarani
GU	Gujarati
HA	Hausa
HI	Hindi
HR	Croatian
HU	Hungarian
HY	Armenian
IA	Interlingua
IE	Interlingue
IK	Inupiak
IN	Indonesian
IS	Icelandic
IW	Hebrew
JI	Yiddish
JW	Javanese
KA	Georgian
KK	Kazakh
KL	Greenlandic
KM	Cambodian
KN	Kannada
KS	Kashmiri
KU	Kurdish
KY	Kirghiz
LA	Latin
LN	Lingala
LO	Laotian
LT	Lithuanian
LV	Latvian, Lettish
MG	Malagasy
MI	Maori
MK	Macedonian
ML	Malayalam
MN	Mongolian
MO	Moldavian
MR	Marathi
MT	Maltese
MY	Burmese
NA	Nauru
NE	Nepali
NO	Norwegian
OC	Occitan
OM	(Afan) Oromo
OR	Oriya
PA	Panjabi
PL	Polish
PS	Pashto, Pushto

Abbreviation	Language
PT	Portuguese
QU	Quechua
RM	Rhaeto-Romance
RN	Kirundi
RO	Rumanian
RU	Russian
RW	Kinyarwanda
SA	Sanskrit
SD	Sindhi
SG	Sango
SH	Serbo-Croatian
SI	Singhalese
SK	Slovak
SL	Slovenian
SM	Samoan
SN	Shona
SO	Somali
SQ	Albanian
SR	Serbian
SS	Siswati
ST	Sesotho
SU	Sundanese
SV	Swedish
SW	Swahili
TA	Tamil
TE	Telugu
TG	Tajik
TH	Thai
TI	Tigrinya
TK	Turkmen
TL	Tagalog
TN	Setswana
TO	Tongan
TR	Turkish
TS	Tsonga
TT	Tatar
TW	Twi
UK	Ukrainian
UR	Urdu
UZ	Uzbek
VI	Vietnamese
VO	Volapük
WO	Wolof
XH	Xhosa
YO	Yoruba
ZU	Zulu

Others

- Before Calling Service Personnel
- Specifications

Before Calling Service Personnel

Check the following guide for the possible cause of a problem before contacting service.

Symptoms and correction

Sympton	Cause	Correction	Page
No power.	• The power plug is disconnected.	• Connect the power plug securely into the wall outlet.	18-20
The DVD video player turned off by itself.	• The automatic power off function turned the unit off.	• Press the PLAY button.	27
No picture or abnormal colour.	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV so the picture from the DVD video player appears on the TV screen.	26
	• The video/HDMI cable is not connected securely.	• Connect the video/HDMI cable securely into the appropriate jacks.	18-20
	• Mismatch setting between TV and this unit.	• Select the correct Video Output setting.	59
	• Wrong connection.	• Check the connection.	18-20
Scrolling, jumping or B/W picture.	• Incompatible TV system.	• Select the correct TV system.	59
No sound.	• The equipment connected with the audio cable is not set to receive DVD signal output.	• Select the correct input mode of the audio receiver so you can listen to the sound from the DVD video player.	26
	• The audio cable is not connected securely.	• Connect the audio cable securely into the appropriate jacks.	18-24
	• The audio receiver or TV is turned off.	• Turn on the equipment connected with the audio cable.	26
	• The setting of output sound format is incorrect.	• Select the proper audio setting.	43, 61
The playback picture has occasional distortion.	• The disc is dirty.	• Remove the disc and clean it.	9
	• It is in fast forward or fast reverse playback.	• Sometimes a small amount of picture distortion may appear. This is not a malfunction.	-
Brightness is unstable or noises are present in the playback pictures.	• The effect of copy protection.	• Connect the DVD video player directly to the TV. Avoid connecting the DVD video player to a VCR or TV/VCR combination.	18
The DVD video player does not start playback.	• No disc is inserted.	• Insert a disc.	26
	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type and colour system.)	10
	• The disc is placed upside down.	• Place the disc with the playback side down.	26
	• The disc is not placed within the guide.	• Place the disc correctly inside the guide on the disc tray.	26
	• The disc is dirty.	• Clean the disc.	9
	• The parental lock function is set.	• Cancel the parental lock function or change the parental lock level.	62
Playback does not follow the course of the disc's program.	• It is in the mode of repeat playback, memory playback, etc.	• These operations may prevent a proper progress of the contents.	-
Buttons do not work.	• Power supply fluctuations or other abnormalities such as static electricity may interrupt correct operations.	• Press and hold the ON/STANDBY button on the front panel for more than about 3 seconds. The DVD video player turns off. Press the button again to turn it on. If the buttons still do not work, disconnect the power plug and insert it into the wall outlet again.	-
The remote control does not work properly.	• The remote control is not pointed at the remote sensor of the DVD video player.	• Point the remote control at the remote sensor of the DVD video player.	15
	• The remote control is too far from the DVD video player.	• Operate the remote control within about 7 m.	15
	• The batteries in the remote control are exhausted.	• Replace the batteries with new ones.	15

Specifications

DVD video player / outputs / supplied accessories

DVD Video Player

Power supply	100 - 240 V AC, 50/60 Hz
Power consumption	13 W
Mass	1.50 kg
External dimensions	431 x 42 x 198 mm (W/H/D)
Signal system	PAL/3.58 NTSC
Laser	Semiconductor laser, wavelength 650/780 nm
Frequency range	DVD linear sound : 48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 44 kHz
Signal-to-noise ratio	More than 93 dB
Audio dynamic range	More than 80 dB
Harmonic distortion	Less than 0.05 %
Wow and flutter	Below measurable level (less than ±0.001 % (W.PEAK))
Operating conditions	Temperature: 5 °C to 35 °C, Operation status: Horizontal

Outputs

Video output (SCART with RGB)	1.0 V (p-p), 75 Ω, SCART socket x 1
Video output	1.0 V (p-p), 75 Ω, negative sync., pin jack x 1
Component video output	(Y) 1.0 V (p-p), 75 Ω, negative sync., pin jack x 1 (P_B)/(P_R) 0.7 V (p-p), 75 Ω, pin jack x 2
Audio output (COAXIAL DIGITAL)	0.5V (p-p), 75 Ω, pin jack x 1
Audio output (ANALOG)	2.0 V (rms), 680 Ω, pin jacks (L, R) x 1
HDMI output	19 pin

Supplied Accessories

Audio/video cable 1
Power cord 1
Remote control (SE-R0168) 1
Batteries (R03/AAA) 2

• This model complies with the above specifications.

Following information is only for EU-member states:
The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

TOSHIBA

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